

FIGURE 1

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1   aagcttcctt tgtagaggag aatgagtact tactgcttac aagacaagca gcatgttttt
61  caaaagtcaa aagaaagctt gtgaggaaca aggttaatact ctctagatag ctggccttgt
121 cttatgcaca ttcattaatt cattttgtgc acagaaataa catgtccatg aacctggggg
181 aaccactctt ttgagagacc ttgatcttgg agttcctctg actcaatatt aggagcaaga
241 tagagtaaga cacctatttt tttatgtttg ccattacata agaatgaatg aaacaaaggc
301 atagttctgc attggttaat aaaacaaaaa gcccgctaaa aggcaatgtt atatattcgg
361 caatcacatt ttgaagacca actatattca agactcatgg caggttctgc atgccactga
421 tgcactctga tgacctttcc aaggctattt gtcacagcag ccccgaaatc gtggcctcta
481 agggcctaag tgttctggag taaataggcc aggccagcac ctctgagaaa taggggctca
541 ccccatctg agccaccttc ccagtctctg agcaacctca gcatcagtggt cctctgacc
601 gcatcagcct gtgggtccct acttgtctga acacatacaa ttttctttct tttaatggc
661 aagctttgaa aaacaagtac atgagtgaac acagagcaaa gaggtttagtc tgggagctat
721 ttctcgtaag tctcttttga gaaagagttt ctagcccttc cccactttca tgagattaga
781 gagataagaa caggaacatg gagggagggg tccacactct ggaaaacact tttggatctg
841 ataaccaccc taatgaagcc ccaaagctat cgcctttgga tgggtttctc aaacatggaa
901 ttctaccagg atttctgtca acaggcctcc taatccctc tgcctgcca agccacatgc
961 tacacaaagg tgaagaacaa gaaaggcatt gagacacgtg ttctatccag ccaggggatg
1021 cacaatgtct gccacgcag gctgcgttat tatcagcagg aactgacaga ggggtctgtt
1081 ctccctctc caggcagtggt aggggacgct tccacctct gacctgtggc tgagcccagc
1141 ccgagcagaa atcccagaag aggtcccgcc cttgctcgca tctgtcttc tgtgctaaga
1201 cctggctcga atgaaagata gtaaaagttc ttccacattg ggaaggcctt taaaaagctt
1261 gcctttacta ttttataatc tctacatttt attgtccttt taaaatcaca aaagcaagca
1321 gaaacatgag gaggtctgct tatttgcctc cccattcaac aactgggctg ctgagttacc
1381 agttccccc actacttgat ttggaaatgg acactagaaa ttttccccc ttgtgactga
1441 agctgcagaa acttcaacct gttttcagtt accctgttgt acctaatag agtccatcct
1501 cttttcagtg gaaagaaagc catggacgag gcattgcagg tctagtgtgg ctctcagact
1561 ctctgggagc agctgacgca catttaagaa cagggaagtc ctgaagggtg gctgaggaca
1621 gatcacgaga ccagaggtga gaggcgccc acagggttgg agccctactt ttgggtgtga
1681 gcagtggggt ctgatgcacc acggtgaagg cattcagcag ccaggctctg agtagcagaa
1741 acacaggata cacagagggc aatgtcttag agccacacca actgggtagg actgaacaga
1801 ttgtcattca acagatgata caccttttag gtgtatcagc aatccattgg aaaacttgtt
1861 aaaaggcaga ttctagctca gccctagatt ctgatccagc aggcaggaat ctgcatgttt
1921 ccagtttttc cagctgattc taatgtagat ggactctgga ttgccatttg agagacactg
1981 atgtagaaca agatcggtta gactggagac attggccaag gtaatttcta gagaaaatgt
2041 gcttgctcaa agtctgagg acaaatttaa gatcagagtc tagagaaatg aacatgaaca
2101 tactcacagc ttaaaggcta ggttgggagg cccaaaggaa gcacatgttc aaggcacaag
2161 cgagtcatta cagtgaacaa gcctcagaga agcttctgga agcccatgat ctggcagatg
2221 gcacacacaa tagtatggca gatggtacat accaggtaaa cctaaatgc ataaggttcg
2281 tattacacgt aggaaaacaa ggcataagcc taagcaaggg gcctggcccc tccaaatcta
2341 caggtaatgg gcagagtcct ttagaagcat ggggtgcatta gggaatttta ccttgcccta
2401 acagaaacta tggtaagcgt aggtgctgca aggaagccat acttcaattg ctctacatct
2461 attattccag caaagatgat gctaggttct atgagaaatt ctaaagacga cacagctctg
2521 ttgtcaaaga gcttacgata taatcataaa gcactttaga aaacttggct atttaagtaa
2581 gcccacaaac tggataatat tgaagcagtt gactgcaatc tagagtacaa agtgggtcct
2641 gtgcagccag gaaaaagctc acagagttag cagagggtcg agactaagtg atttaaagcc
2701 ctcataattc tttctgcatg ccccttttt ccagcaggcc tgaccatgtt ctatgcaatt
2761 cacaccatct gaaaatacat cgcagccccc ctgttccctc cacagcatta gttctcacct
2821 tgaagcttct gggactcaca ttcagcttct tgccctgttc ctagtctcat cttctgatac
2881 tccaccttcc ctgttaaggt tttgccatgc ccttgaacat gacattagat acaactccag
2941 ttttgactct tactaccctc tctctcccca ttcaaggcac aatgatgatt tgcaaactcc
3001 ctccagccac cttggatata taatcacggt cctgatcca accttgcccc tgacctttgc
3061 atccttgtac cttggtatgg caccttgtac ctccatgggc agcagctcca tgggaatttt
3121 ccagtcccag agaattcatg cattcatgaa gggaaagaac aaatgggatg agtatgaagg
3181 cagaaaggag agttggaaga taaggagcaa tagtcagaca ggagaacctc cattttgaga

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FIGURE 1 (continued)

3241 tcaacgataa tgtcttccct ctcaatcagg atactttctta atctcaagta ctctattggg
 3301 aaggaagaga tcagctgttt ctgggctcaa ataaaggtaa tctttggctg gaagcactag
 3361 gcaagcacag tcttctacat ctgtatggag cctcatagga aggtggaggc taaagcacia
 3421 atgacatgta aaggaaagtc tggtagagatt gagcattagt ggaagaactt tggtaggctg
 3481 gcctgatttt cacctgagcc aggttgctgg aggcgtgttc ttgctgagtt tcatctgtgg
 3541 ccccaaagcc tttggggatt cagaaccaat gggtagctctg cagtctggcc tccacatgac
 3601 ccccaactgg ctttgtgatg aaaggaatca tgttccatgt aagaacccat cttctgaaca
 3661 cccactgca ctctactgg tagaagacaa atctgatgct ctaggagatt atatagttaa
 3721 tttcttctca tttcaacctt tctatttctc agacacatat gcacagggtc acacacacac
 3781 aagtgcacac acacacgtgc ttgtgcacac acatacacac acagaggact ttgaactgcc
 3841 taagggcaag aataattccg tattcatggt ctacaatgcc tggagaaagc ttttcacaca
 3901 gtaggccttc aaaaaattcc actaatgagc aggtatcata atagtaaagt aaatgatgct
 3961 gctacaaatc tgagccatgg gaggatccat gaagaatgcc aggtacgaat atcttcaggg
 4021 tccgtctcat agggatgcag tcccatagat gtctataagc cccttaactc acagcctcaa
 4081 attaatcaag caaagagact aagagaaaact tgtcaagtct tgtatctcct taattttacc
 4141 ttatgctaag tttccatgac agggagcagc tatgactggc cagcagtcac cagccatagt
 4201 ccagcccttg gaggttgga gatctatagc ctgattgaa gagtgtggaa atggctagga
 4261 aagtaaggat aggtagaat tatctattgt atctactcta taaaattata gaaaagccac
 4321 tcttcaactt cccaagaacc cctcatgtat aaagatttgc agaaagtgtc tgtctgggtg
 4381 cctgttgct tcccttactt gtccgtagtc agccacagct gtttccctcc ttataatcat
 4441 ctcatgtca ttggatggca gcagagactt tatgagaaag ctcatgtggc tacggccctg
 4501 cctcctttgc acgaggataa gaggtttcaa gaagacctt ttcacaaggc cttgtccagg
 4561 atttgggcca gtccacagc attccaggtc cttgaagtct ggctgaaaac cttgtgggaa
 4621 gagaaaacct tctaagcaag agaaagccaa catatattaa aatgttcttg tcttcccgga
 4681 taggttgtgt tttgtgaata gggcaatatg tcatttctcc caggaaaaga aaacacaaaa
 4741 ctgattcaaa atgtactgag gtaaaaagag ttgcagaaga aaattaatct tcagattccc
 4801 taactttttg tgtcccataa ataactctgt gccttgccc agagagaaat gtgtctgcca
 4861 ttttgccaaa ccaggatatc gagagagaga atagagtgc cctgtcttga ggaaagacca
 4921 caaggcaaac ataaatgaaa agaacaaaga ctctgtattg ttgagctgaa tggccacca
 4981 aatatcccaa agaatgaact ttaactttct caacagaaag gcaaccacag gaagtttggc
 5041 agctcatgga gaaagttcct tcatgaatat gtggccttta cagtgtctcg tctttacaca
 5101 gaattaactc cgggcctgaa agatgtgtgc ctttctctgt tttgttttaa tggcagactc
 5161 agaacacagg gtacagtttt gcttctgtct ttaaagtgt ccttgccttg cctccaagg
 5221 cctgtagcca gtccagcatt tttggcaaga cagaaacact ctccagtcac aagaatgccc
 5281 aggaaccaac agacatagat ggttcctaag cttatttctc gtgttcagat tcaagagtgg
 5341 aatcccagtt tggcctggct acagaggctg gaaggtagaa aaggtgaaaa attctctaaa
 5401 atgtttccag gttttctatt tactggataa gcaacaaacc aatagctgtt tggagtagct
 5461 agctggctgg cagcaatttt ccaagaattt ccaaatagca gtacgtggcc taagaaaggg
 5521 aggtaccagg aaaggagtaa gaaggagca aagtaaaaaa tgatttattg gtgcccttg
 5581 caatataaag ttgaagtgga cagcgcagcc aaaagtatct tgctactgca gtagggaaat
 5641 tagccaaggg tgggtgcaat tagagataca aggggtggta atttactgg agaagccaac
 5701 tctaggtatg ggtgctgagc aattgcccc gcaacctgcc aaggtatgtt ctatttgttt
 5761 tcaccaggac tgtggatagg ggtgtgtgtg cgagagagag agagagagaa aaaaaaagt
 5821 aggtcatcct atcaaaagag aaggtgaaag ggttgaggaa ggctctctt ctctctgatt
 5881 tattgtagag caggaagagt cactgtctgc aatacacaaa ataatacatc agggaaacag
 5941 gaagtcaaac tttcaagaat gcaaggggaa atcaaaacca gagataggac aaggatgaat
 6001 gaaaacacct ggcatagaag tgaaacgaga aaaaaggaaa cttttgcttt cttggaaata
 6061 cacaatcggc ctgagcctca ttctttggaa gtttaagtcca gtcttctga aaaagatgtg
 6121 tggaccactg aagaggaaac atgatgataa ttcacccctc gcaggctgtg ggagaggagg
 6181 tttggaagac aggtaggaag ttggctctct gaataatgta gacaatgagg aggtacatcg
 6241 tcttttgaga ggtgataagg aggcggccat catttagcaa aattctatgc ctccaatga
 6301 tagatgtgct taggtatttc tataccaatg gttgtaatga aaagagtata aacttgagtc
 6361 aaacagaaac aacttttctt tgtgtataca acaggaataa tgctgattac cccaatcttg
 6421 gctacagagt tagaatgaaa tggcacctgg aacataatag atgttctttg gatttaattt

FIGURE 1 (continued)

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6481 attgtctttt cctcttcatg ccgagataaa agagtaccag tagaagaagt ttgagacaca
6541 ttctctagag acagaaaatg taaatggcat aagatgatca gtggctttac ccattgattc
6601 ttccaacgaa aggtcgggtg taatggacaa gaaaggaagg gatgagaaac aaaagacagt
6661 ggacaaaacg aattcaaaac cagttgtgta tttctagtcc tggatttcag aactaaaatg
6721 tagagcctct agttaagagt ggaacatctc tcacaatgcc tggagaccaa atgaactaat
6781 tcagaagctt taactaatgt gaaagaaatg ccagataaaa aaatgaagag aagctattaa
6841 gaataagaga tgtggcaaga aatataaagt tggaaagggtg atcagtgaac cacatgaaga
6901 aataactaaa aatcaggcaa aaacaacact aatgaactca gatctctatg ttccaatgtc
6961 agagcatgga caacaaaaaa caagattcca acattgaatg gaaaatctga tctcaaaagc
7021 ttcaccagtg gccagggtgtg gtggctcaca cctgtaatcc caacacttta ggaggccggg
7081 actggcagat ctggcctgag gtcagaagtt caagaccagc ctggccaaca tgcgtgaaacc
7141 ccactcttat taaaaatata aaaattagcc aggcattgat gtacacacct gtagtcccag
7201 ctactcagga ggctgaggca caagaattac ttgaacctga gtggtggagg ctgtagtgag
7261 ctgagatcat gccactgtac tccagcctgg ccaacagagt aagactctgt ctcaaaaaaa
7321 aaaaattacc agaacttctt ggaatggagc tcaacattga aatattgcaa acatgctgag
7381 aagggaagac aaagtagtta taggcctaaa taatgctctg tgttgctgat ggcattactc
7441 acacactgta ggcagagata taaaatggta catatttcac agagggtaat tgaaaatatg
7501 tagtgagtgt tctgatgtgc catcagactc ttccttcaga accaagggtg ccattctcct
7561 agttgcaaga ggatagcctg ctgcattggt tcttgatagc tgctctcaca aatattacca
7621 caaatttcat ggcttatgtt ttaggcaaat gctaaaactg tcttaaaaca atgtattaac
7681 ttatagttct aggcacaga agtctgaaat gggctctgtg tggctaaaat caagacgctg
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7861 aggtgctctg ccttctctcg ctcatggccc cattccatct tcaaagttga atctttctta
7921 cattacgtca ttgacaccct ctcccttctg ccttctctt tataaggatc cttgtaatta
7981 tactggacct acctggataa tccagtataa tatctacatc ttcatttcat ctgcaacctt
8041 cattcttctt tgccatgtaa tctaacatat tcatagattt caggaattag gatatagaca
8101 tctttggggg ctgttattct acccgccatg tctgacagct gctcacagct gagtctctcc
8161 ccaggagtta tctttggttg aaagcagctg cctcacacaa gggtatgctc cacaggaaaa
8221 actggcatcc aatgactggc tgatttgaag gcccaaaggc ccagccccc tcaatgcctc
8281 agtatggaac aatcctcact agccatccca gctccagggt gcccttgaat caactgaagc
8341 cactgctgca atgtattcca aaattcagct ttttctggtg actagtcttg taattttagg
8401 tccctccaag ttgttgttct caagagctct ctccaatate ttcctgctaa caaatctctg
8461 tctcaaagtg tttcatggga aaaccaacct aaggcagtg atgtcaggaa tggtcagagg
8521 aagctgactc taaaatagaa cttaggagat gggcacctcc tagccatta acaataggga
8581 ccccatcact agtgaaaact gaagtttgta tggccctcac atgttatact ggagtgttaa
8641 aatattcctt ggtggctcag gggatgggat ataagtggaa ggaaatgcac caaaggatgc
8701 aatatctttg acatttgagc cattctgggg aaactgggat tgcctgatgc gaatattatc
8761 tatgtgctgg gaaaaaagaa gggaaatctg ggaaagggga gctgatcaat tgtctattga
8821 aatcaaattg tgatagccag aggacttctt tggcagcact aaaaagtgc tctcatcttg
8881 tgtagtttga aagcagaaaa atctgagaat caggccaacg acttaattat aagtatagta
8941 caactcaaaa aaggtagaat tcttaatccc agcaaactct gaaactccag atcccctcag
9001 aaccatttgc tcctgtagaa gtgatgcact cctcttcaag taaagacccc ttagttgaag
9061 acaacacagg gttctctgcc tgtaaaacag tatgtcttct ctgggattt ggctcacatc
9121 taccctcctg gccactagag agtcgagttg caatagaagc tggccaggaa agtgctgagt
9181 cagctaggaa aataaagagc ccaaacccca aaggggttgt aggtcccagc caaatgtgc
9241 cagcagaggt cagtaaaactg taaatgggac taaagcctga gaagcctgga tcaaggggag
9301 tataatacaa atttgataaa gggagagatt gttgctgtga agctactctc ttacaatata
9361 gggttcaact ctggtaggca cccagcgaga tgggtggttaa tgttctgcta gcatagctct
9421 tggaaactac catattctac cataatatat tataaaagaa gaaacaaaa gactcaaaag
9481 ggtgggcata aaatgtagag ataaaatggg agctggaaaa cctaccagca gatgatgttc
9541 taagacatat cagaaaagaca ttgtgctcac cagagcgatg agagaggtaa tggagcaca
9601 gcagcaacag cgtcaagaaa ctgagtggtg cctgtcctct gtaggccaag ctgattataa
9661 aaattgaaaa gtgggccagg catggtggct cgtgcctgta atcccagcac tttgggagcc

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FIGURE 1 (continued)

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9721 tgaggcaggc ggatcacgag gtcaggagat caagaccatc ctggctaaca cggtgaaaact
9781 ccgtcttttac tgaaagtaca aaaaaattag ctgggcgtgg tgacgggcgc ctgtagtccc
9841 agctactcag gaggtcagg caggagaatg gcgtgaaccc aggaggcgga gcttgacgtg
9901 agccaaagatc gcgccactgc actccagcct ggggaacagt gcaagactcc gtctcaaaaa
9961 aaaaaaaaaa ataagaaaaa aattaaaaag tgataatcct ttacccagtt tccaggacta
10021 aaccagtttt cagatcttcc agtgtttgac tgaaggagag accaggtacc cagaaggaac
10081 agctctgcag tgccacagca agtgtgtgtaag gtaatgactg cctcagtttt tgcctaaagg
10141 acctatagcc gtttactcaa gtaactctaa actgaggaaa ggggaatatc ctgacacttt
10201 gaggttgatg gatgcagggt caaaaaatac atggatacct agggaaactga agcatcatca
10261 tgcttccctt gttagaggac ataaagaggg cagataatag agctgggcaa gttggacca
10321 tgaatcttac agtgggtttt ttcaaaagat aaacaaaatt gacaaaactt taattagatt
10381 aaccaaggaa aaaagaaagg actcaaaaaa aattacaaat gaaaggaggt attaaaactg
10441 ataaccacaga tgtacaaagg atcacaagag actatgatga acaattacac accagcaaat
10501 tggataatct agaagaaatg aagcatacat tcctagaagc atacaacctg caaagactga
10561 ctcatgaaga aatagaaaat ctaaacagac caataagaac taaggagatt gaatcagtaa
10621 tcgaaaacct cccaacaaag aaaatcctag aaccagatgg cattattggg gaactcaatc
10681 aagcatttaa atgattaaca acaatccttc tcaaattctt ccaaaaaaat gaagagaagg
10741 aaacacttcc aaattcattt tatgagggtc gcatcacact gataccaaa cagtttaagg
10801 atgctacagc aagataaaaat tacaggttga tatcctaact gaatgtagac acaaaaattc
10861 tcaacactag caaaccaaat tcaatagcac actaaaagga ttttatgcc aatcaagt
10921 ggataatccc aggaatgcaa ggatgggtga acatatgcaa atcaataagt gggataaact
10981 acattaacag aatgaagatt tatgatcact tcaatagatg tttaaacaaa agcattcaac
11041 aaaaactcaac attgttttat aataaaaaact ctcaacaag ttgggtacag aagaaatata
11101 cctcaacata ataaagctat atatgtcaag cccacagtta acattatact caaatgatga
11161 ataatcagga acaagataag ggcaccact cccaccacta ccaatattat tgaacttat
11221 agccagagaa attaggcaag aaaaagaaat aaaagtcact taaattggaa aggaagaaat
11281 aaaattgtct cttttagtag gatgcgatct tacacattta gccagaaaaa cattagaact
11341 aataagcaaa ttcagtagag ttgcagaaaa caaaatcagc acacaaaaat cagtgtgttt
11401 ctatataata acaacaaagt atcagaaaaa gaaattttta aatatgttat ttacaataga
11461 atcaaaaata aagtatctag gaataaattt aatcaaggag agataaaaga tctgtacact
11521 gtacataaac ataaaaagat ctgtacactg tacataagga attgatgaaa caaactgaag
11581 aagacataaa taggaaggta acccgtgttc atggattttt aaaaattaat agtattaaaa
11641 tgtctatact acccaaaaata atctattgat tcaatgccat tcctatccaa attcttcaag
11701 catccttcaa agaaatagga aaacagtc ctaaaattgt atggaaccac agatgacccc
11761 aaaaaagcca aagcactctt gagaaagaac aaagctggag gtattacatg tcctgatttc
11821 taatcatatt acaaagctaa agtaatcaaa acagttaaaa cagacacata gatcaatgaa
11881 acagaataga ggcgccagaa ataaacctac acatataggg taaactaata tttgacaagg
11941 gtaccaggaa tgcatattgg ggaaagaata atcattttca tacacagtgt tgaaaaactg
12001 gatatccaca tgcaaaaagaa cctctgtctc atagcataaa aaaaaaaact
12061 caaaatcaaa acacaaatat aagatctgaa accataaaac tcctacaaga aaacgtagaa
12121 aaaacttcct tgacattggc ttcataatta cttttttgat atgacaccaa aacacaggaa
12181 acaaaagcaa aaataaataa ataggactac atcaagctaa aaagcttatg catgacaaaa
12241 gaatcagcaa aatgaaaagg cacctataga atgggagaaa atattggcaa accatgtatc
12301 tgtaagggg ttcatttcca aaatatataa ggaactcata caactcagta gcaaaataa
12361 ataataattt aactaaaatt aaattaaatt tcaatttatt aaattaatac tcaaatatt
12421 ttaattgtat taaattaaca gcataattaa aatggtaaaa agacctgaat agacactttt
12481 ctaaatcat aaaaatgtcc aacaggttca tggacagggt ttcaacatcg ctaaccatca
12541 ggcaaatgca aatcaaaaact aaaataagac atcaccatat acctgttcgt atggctatta
12601 ccaataagac aagaggtaag tgttggtgag gatatagaga aaagagaaaa cttgtgtacc
12661 cttggtagaa tgtaaatgg cacagccgtt atggaaaaca gtatgggttt gctcaaaaa
12721 attaaaaaaa gaactacat atgaccaccc aatcccactt ctgtgtctat atatccaaag
12781 gaaataatat caatctctca aagagatata ttcactcttg tgttactgc agcattattc
12841 ataatagcca agacatggga acaacttaac tgctgtcaa caaatgaata aagaaaatgt
12901 ggtatacatg tagttaataa ttattcagcc ataaaaattgg agaactctt gctatttgcg

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FIGURE 1 (continued)

12961 acaacatgga tgaaccggga gggcattatg ctaactgaaa taagccagaa aatgaggac
 13021 aaatactgta ttatctcaca tatggaatct aaaaaagtca cactcaccaa aacagaaagt
 13081 tgaatcatgg ttccagggg ctggagggtta ggggaaataa gagtatgttg gtcaaaggat
 13141 acaaactttc taatataaga tgaataagct ctgaggatct aatgtacagc atggtggcta
 13201 tattttaatga tactgtattg tgtatttgta atttgctgag aatagatcct gtgttctcac
 13261 cacaaaaaca aaaatggtaa ctatctgagg ttagggatat gttaaccaac ataattgtga
 13321 taatcattcc ttcacaatat atacttatat caaataatca tgttgatat ttaagtgtga
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 13441 catgagctaa tgaccaagt cctcatgtca ttcaccactg ttgcaccagc tatggctata
 13501 tgggcaccac ttatgttcag ctgatagagg aagggaagag ccaagctttg ttcaaacag
 13561 ttgggccagt ttgatgtagg aatacaaac agaaaaggct tttagtattc tcagtccac
 13621 tcatgaataa ccctaaaaga cagcagttag gggacatcct cccaatggac ttcaagtgat
 13681 gcaectggcc actcactttg tgtggaaagt ggctcaaggt caaatatct taaactcatg
 13741 ggcaattgta aatgggttg ctggttgctt agtggcctgg aaggagaaag agtgaaagat
 13801 aaggaataag gaggtctggg gaagaggaat acggaagtgg acatgaagtg caaagagctt
 13861 catgaagatc tttgtatacc atgttaacgc ctaccatgga agaggcaatt tctagtcaaa
 13921 tggacagact gatttggtcca ggtgatgtca gacagccctt tctcattaat cccccagtg
 13981 ctggcaagca ggcatatgaa cagagtaatc atggtggcag gcacggaggc tgtgcaaggc
 14041 agcttacaaa ataggtgatc tagtttctgc tgctgtgtaa tatctatcag gaacagagat
 14101 tactgccag cccctgacaa agaacaattc ttcagagagt ccaatcgcc atgtggtggc
 14161 acagcaatta cttaaacct ctttctccat ggaagggcca gcaattcatc ttgaaggaaa
 14221 tcaacacata cttaggatac aggtttgcca tctctgcca tagatcctca gccggcacca
 14281 ttatctaagg acttacttca tgtacgattc actaacacag gagcccacag aacatcctgt
 14341 tgtaccaga aactcacttt agaagaaaag aggtacaacg atgagcacag gaccagctgc
 14401 tgactttata aggtaaagga acaccctttt gaaagtattg ctgaagtacc acattcaata
 14461 taataactta ggctggagtc cttaagcatc ccgcctctc caggatgcag tgtccacct
 14521 taataataag tgactattat acagtactgt gtctctctc tatagattac atggttcagg
 14581 gtggaaatag ggctaattcc tctaccatc tcaactcaata acctaccag ggaattcatc
 14641 ccttccatct ccacgactct gagctctgca gctctagaga gtctgggttc aagaacagaa
 14701 acacttatac caggaacact acacgaatcc cattaaactt taagctacag ctgttggcac
 14761 tttatgtttc ttgtgccaag aggtcaacag gccaaaaaag gcatcaccat tttggcagtg
 14821 gtaattgatc aggagaaggt tgagctattg ttacacatgg tgacagaaaa gactatttgg
 14881 ctcccagaag gacttcttgg gcatctcttg gtaataacct agccaatcgt aatggtaaat
 14941 ggataaaagt agtagtcatg gcttgagaag ggcattgatga ctacaggctc agatccttca
 15001 tggatgaagg tttgggtcac ccaaccaggt aagccacctg gagcagagct ttcagccaag
 15061 gggaagagaa ctctacactg gggtgtaaag aagggtttg atgagtgtca gttgtgtccc
 15121 tgagaacagc tgcattgttg agagctaacag tttgtccat taatcttct cttgtacatt
 15181 tccctaggaa aagaagcaaa ccagagtctt agaggagctc tcccagata ggggtgattt
 15241 tttaaataag aaatatgttg tccaagaggt gaaaggggta actgaaacaa tcaatttgat
 15301 gcaccacaag cttccccgct tcagttctga gggcttatc cccagtgge cagatatgtt
 15361 atctgetgac agctagctgt tgagtcttct ttttggaaat gctcttggcc aaaggagat
 15421 gctcaccaca aggtcatgac ctctccctgg agacaacctg catccaatga gaagtcaatg
 15481 caagagcaca aaagctcggc ccccttgct cagcttggga caactcacag gagagctcca
 15541 aactccagcg ctctcagga tcagctgagg ccattgttgc aatacatcat agttcatctt
 15601 cttcctttgc ccagtccttt tctcaccct ctcaagggcg ttgagggcac tcttttaaaa
 15661 aattcccaca cagagactct ctgtctctga gtctatttca ttggaacatg atccaaaaca
 15721 taatatatat caaaatcctt gaaaacattc atccatttta acccagtaact ctcacatcta
 15781 agatagtcta aggtaatgag agattaaatc atagttttga gtttgctgtt gtaacattat
 15841 aattttttta aaactataaa gaatctaaat gttcaaaaag aaagaaatag ctaacataat
 15901 ggtatagaat tctttacagc cattacagtt catatttttg agaaatatag tgacatagga
 15961 aatgtttcac aatataattt taagtgaata cagcaggata tagaactata aaattataaa
 16021 tggtttgcaa acatattact taaagaacta tcacctttaa gagaaatgca atgacccag
 16081 tggtaaatat atttaaaaaa atctaaggag atagtcaaat tttgtttaat tgagtaaaat
 16141 ttgatctcat agccagacct atttttaggt aaaataaaga tagtaaatc tctagcactg

FIGURE 1 (continued)

16201	gatattttgaa	gaacagcaca	aatgacactt	ggcttgctgt	agagtagaat	taagcatgaa
16261	tttaaaatgt	ttaaggtacc	attttgcctt	cgggaattcc	attctgcagt	gagtgtctta
16321	gagatgtgtg	gttttggtcg	gcttgccctt	gctttccctt	ggctggcctg	gctttgggtg
16381	atttgtctta	gttaacaact	taactcttga	agacatctga	cttctttggc	taactttgac
16441	aattaggcaa	gaagaaattt	gtttgatcat	ctccacctca	aaacctact	accttttagac
16501	ctttatcaca	agcatagagg	aaaagaattc	aaagaaaaga	aactcatgtg	agatgttact
16561	accaagtatc	tctaggcaat	aggaaggagt	aaccagacc	caccattaag	ggaaggggag
16621	tgcttttaga	aaataagatt	gtatattgag	acaaactaat	tgtgatgttg	ttatgtcaca
16681	tgtttaaata	atcccagggt	cacattctct	cactttctac	agaacacaac	cacaccaaag
16741	cagggtcaaag	aatctgactc	ctttccacca	ccaagcctct	taacattttc	tagacctgaa
16801	tacaaaccaa	acactctcat	tttcccaatt	tcttactccc	actcaagata	tttcaaacac
16861	gtgaaattga	ttatattgaag	gtttaaggga	gtgaaattta	agattaaaga	cattccttcc
16921	ccaaccactg	ctccgcactc	acatggcaac	ttggcctatg	ctatagacag	gggagatgac
16981	atttgaagctc	catgcagaga	tgagccctgt	ctttgagttc	tttgtggcct	ttccttcagt
17041	gaagagtgtc	agtcctctgt	tgctccctgcc	ctgccccttc	taaccacaga	tgctctagcc
17101	tggccatgga	tgtggagttc	ctcagagcaa	atagagtcca	tgattttgtg	ttctcagggg
17161	tcatacaagg	gtgctgatag	ctttatcttc	ccttttctac	tcatttttct	ctaataatgtg
17221	attaaaaatgc	agggctatcc	cagaaggagt	tgactagaga	actaaaaaac	aaacaaaaca
17281	aacaaaggga	ccccaaaatg	acttcattgt	taaaagaaaa	acataacagt	gaaaaaaata
17341	aggcattata	atgaactctt	ctccatactc	tctagagccc	tggggaaatc	tttttgatgt
17401	agaatcactg	aatgaagaaa	agcccatgtg	aaaccagaac	acttgggttt	atccaacaga
17461	tattttttaa	gcacttgcta	tgtatcaggc	actgtgctag	atactgaaga	tacatagacc
17521	tggacactgc	cctcatggaa	attatactct	agcaactcag	atztatcagt	cccacaacac
17581	tgggtagacc	gcacaacaat	atcaggcaca	gtagtgcctg	gagcttatcc	atcccgta
17641	tgttcccagg	agtgtctaaga	aagggaaata	gcagccagaa	acatccctatg	aaaagattac
17701	ctggaacgac	tcaagaaaat	ctgcccagg	gcactctgtt	acctctcttc	ctctgccaag
17761	caggagaaca	atattgaatt	ggagaacaca	tatgttaata	actccaaaga	gaggctagta
17821	tctcagcttg	agcaccagct	ccctggatgc	tactatagtt	ctgggcaaaa	ctgcaaagca
17881	gccaaagttg	gtcttgcaac	catcccaact	ttagccctatt	atcaatctcc	cagacatcac
17941	atgcacatag	cctaccctaa	atctgcccc	aatccttcaa	tcagccctaga	catgctctca
18001	gactagtgtc	tggtttaaaa	tgtaaatgag	gtttaacctt	accagggatg	cctcaacatc
18061	ccctggcaga	ccttccaccc	agacaggaag	aggtggcata	atggagcaag	catgggtttg
18121	gggccagaaa	gacctgggtt	tctacccag	tttcacaact	tactattttg	tgaccacaag
18181	caagttactt	aacctcgatt	aagcctcaat	gttcttggcc	acaaaatgca	gataataatg
18241	tctgccccaa	tatatctcgg	gaagattaaa	tacaaacaag	ttcttctatt	cttatcttat
18301	ccttctctcat	ctcataagg	gaaccaataa	agctcagcaa	aaacacaaaa	aagacattga
18361	ttttatttat	ttataggcat	tggcagaaac	cccatcatga	acagggaaac	cctttggaat
18421	tctgctgcaa	ttgattgcct	tggctgggag	atgtgaggtt	cctggagcaa	tgtgaagaaa
18481	tccaggggat	cgctgggca	ggacccaggc	ctctaggcaa	aatgtgtgga	acaagccatc
18541	ggttttataa	tctctctaag	aaagatcatg	aaaagcaaag	tgattcttta	attatttcaa
18601	agagctctgg	attctatata	atctgtctctg	gaaataatga	agagaagaaa	gacaaaactt
18661	ggctttat	acagaggtga	cgttacagg	attcaccatc	tattattacc	tggcaatacc
18721	ttagggctgg	cctccaccac	tgctttttat	gaagagtaaa	gtacacgtga	agtctgttgt
18781	tcaaggccct	gacccacatc	caacctggac	tcccaccact	ctctctcagg	cattctgggc
18841	taagctgtaa	ctcagccgtg	tcttccctac	actagcgaca	gtcttctgtc	tcactctgcc
18901	cttctctcca	cctaccaagc	cctcctttca	tgtcttccca	tcaaccttct	ccatatagcc
18961	aagccctgc	tcaaatggac	cctctccatc	agggagaggt	aacagaagct	agaaccagg
19021	ctcagggtcc	atagaccagg	ccccagggcc	tactggggcc	agtcagtatg	gtggctctga
19081	taccacagac	ctgggactca	gtccataatg	tggtatcaaa	ccagggtgcc	cttagaatta
19141	actcaggagc	ttttagaaac	atataaatgc	tcatatcccc	accccaaac	ttctaaatca
19201	atattccata	ggggataaga	aaggtatctg	ggtatctgaa	ttttttaaag	actccacctt
19261	ggattctaat	gcacggcctc	agctgaaaac	catggctcac	agataggaac	tctctataaa
19321	aaaggaaact	agatactatg	ccatgacttc	atagactcta	caaatagagc	tgatggaaaa
19381	taatacaaaa	aacagtaatt	ggacaacctg	aacatttaca	aatcaaagg	gccagggtgat

FIGURE 1 (continued)

19441	aagtagtttg	gggtgttcaa	agatctgagt	aagaaaccag	tgaaaagttt	cattatttct
19501	cacaacttac	tgggaagcag	atgggtggag	gggagtggaa	actgaaaatg	tctggacatt
19561	tgttctgaaa	ctaaccagca	cctgtaaatc	tgtaattagc	aaagtaagga	tagttgtggc
19621	taaaaatata	gtttgtaaat	gtatcaagga	cagtggaatg	tctcaagcaa	taagcaaaac
19681	ggcttttctta	aggacaaaaa	aatccaaaaa	aacatgatat	cttgtttttg	aaagggtaac
19741	catatgagaa	gacaaaaagaa	acacagcagc	tgctgtgttt	ggggcttgag	ttgcagcatt
19801	tcatacaaca	gctcatgaaa	ttttaattgc	tgacatttaa	aggttcaa	at
19861	agcaagtcac	atgggttgaa	cactaacaaa	agattacgaa	ggaaagggtga	ggctctgtgg
19921	cacatctcca	gcaagaagag	gtgcttagca	gggtgccctg	gggtcagtgc	ttgctcactc
19981	cagattggat	tctgcattct	aattaacaat	gtggaagaga	gaacaaaaga	ccctgaaag
20041	ataccagaag	aagacttgca	aagggggatg	agggaacccc	ccagagagaa	gagcaaatg
20101	agacaggtga	gcccacaagg	cttaattctat	aggaaaaaac	agcagacagc	tgagactact
20161	tacaaaaagg	caaactagct	cattggagga	aaattcacta	gaacccctta	tatttttagaa
20221	acaaaaggac	acagaccaca	aaaatgtctc	aactatcaac	atgggtaaga	gtgtccagca
20281	ccctggagag	gaggtcaggc	tgtacaggag	gcagccaacc	caccttcaga	tcaggatcag
20341	cagaggcatt	gccaaagaca	agtacattca	gaataactaat	taatattctat	caatggtttc
20401	tctctagaaa	aaaaaatgaa	atgccacagg	gaatgtctat	taaccaaata	atccacttga
20461	agatcttttt	gcccacttgc	tgtcataatt	tggtttctct	ttctaatttc	aggttaagtt
20521	cacactactg	tcataatttg	atcagcatgt	gcaaacagcc	aaaaccagaa	acacatccat
20581	acctctacag	cagcctaatt	taagaagaaa	aaggagaggt	tggtttggtg	gtcaaaggga
20641	gaaagggaatt	ttcattccct	gtatctgccc	ctgggcta	aatagccacc	atgagctgag
20701	tgcttggtaa	gagtcaagcc	ctgtatgagg	cacatcattc	gtattgctca	cttacttgc
20761	aatggcagag	ttgtgaggca	gttattagac	ttatgacttg	gagaaactga	gcaacttcca
20821	tacacatcta	gcaaatgcaa	ttgtctggat	ttgaacttgt	gtccctcgga	cttctcaatc
20881	tatgctcttt	ccctgcattg	ttcagtcagc	ccctgttctc	tttaagaggg	ttttctcccc
20941	agttccccca	gtccccact	gccctctatt	ctgcctctgt	gcctgagagg	ccttgagagc
21001	cttgagagca	tcactggaca	gccctggcat	acagaccctt	tcactggggc	ccggccaata
21061	agcaagcttt	tcttttacac	agaaatgttt	gtggcagtct	ccaccaatct	cactgtccca
21121	ctagctccct	gtggagtcag	gaagggcaaa	gatcccttc	ttctgggtgt	gactctactc
21181	cttggaatg	cttcacgtag	aattctatgg	attccaactg	ctgggtgagtc	aatctctgcc
21241	ccccctggat	taagaatcag	gtagaaggaa	ttgaaaagga	gctctgcagc	cagcaagcat
21301	ttaaaaggcc	atagagaaaa	atgcaggacc	gcttgagaag	ggcagatagc	agagcagcta
21361	ggagtgcctc	tgctggagct	agagtgtgag	ggtgtaaatc	ctggccccag	catgttctat
21421	gtgcacttgg	gcaacctgcc	caacctcgct	cagcctttct	tttcatatca	gcaaaatagg
21481	ttgtagttag	caacagggtg	aagcacttag	taatgtcaa	tggtatgctag	agaaacaaaa
21541	acggagcaga	ggcaagatt	ccagaagcct	caggatgaac	tttcggcatc	cctagattgga
21601	gaactttcat	atacttagtc	tcccttggtc	acttctccag	ggactagtc	ttgcttctct
21661	tgtcttgtgt	agactaatat	acctctgaag	ttgttcttgc	aaccatttcc	cctaagtaga
21721	tgagggataa	caaacaagca	aaatatgtac	tgaagtggg	tggtctgcaag	caatggactt
21781	ctttgagtgg	agaaaaaaag	ggaaggagat	gtgggtggg	gaagaaggag	aaattatcat
21841	aaaattggat	tccaaagcat	tcagtatgaa	cattcccagc	aatagcagat	gctttttgcc
21901	tgcttttagat	aagacgtcta	tgatttagac	ctctgcgcaa	actgagaagc	tggttgatgt
21961	tgaaacatta	aatctaaaca	ccgaatgcct	gaacccaagc	agaagaacaa	gccccaaaca
22021	gcctgcaggc	cccgtacccc	atcacatctc	accatgaatc	aaaaacgcac	tacttagggc
22081	agctgccact	gcagctgctg	ccaaagcaca	aggtgggtgg	gacctgagca	gtgttctacc
22141	atcaaggaaa	gaactggatg	agggtcctgc	ttactcgggt	ggtgggttcc	acgtggaagg
22201	gtttcctgcc	acacacaggg	tccagcatga	gaaatggcaa	aggcggggaa	caattcaggg
22261	gtgcccagg	gagagaatac	agtcacaggt	tcttagttgc	tgtttctggt	tagggcagta
22321	aagccccttc	ctcatccctc	ttttccattt	atcactagag	acagaaacta	aaagccatgg
22381	cttcaggctg	ctaaaagcct	aaaacaaaaa	aaaaagaaca	acaaaataag	gcgggttgga
22441	cgtgccact	aaatgattgt	tactactatt	tactatagc	tactgcccc	aaaggcacct
22501	ttggatgcc	tctttggatt	tctcacgatt	ttcaatatg	tagaacatag	tagattctca
22561	cacaatatct	gcagaatgaa	aaaataaaaag	tgtgcatgca	aaggggtggc	tggttctactg
22621	tagtccaccc	cagagaagac	gggaaaaatgc	attttgctaa	ggcacacagt	gatgagaggc

FIGURE 1 (continued)

22681	atccccacatg	gtagaaagag	aaccagactc	ggcatccagc	ctctaaatga	gtatgtacca
22741	gaatttccca	aggctcttgt	taaaaacgca	gatcctgggtc	aggcgtgggtg	gctcatgcct
22801	gtaattccag	cacttcggga	ggcctaggcg	ggtggatcac	ctgaggtcaa	gagtttgaga
22861	ctagcctggc	caacatggtg	aaacctgtc	tctactaaaa	atataaaatc	ggccaggcat
22921	ggtgacgtgt	gcctataatc	ccagccacta	gggaggctga	ggcaggggaa	tcacttgaac
22981	cctggaggcg	gagcttgag	tgagccgaga	tggtagcact	ggactccagc	ctgggtaaca
23041	agagtgaat	tccatctcaa	aaaaaaaaaa	aaaacacaaa	tcctaagtct	tcctctcca
23101	ggaactgaaa	ttctggagt	gggccagga	atttgcttcc	ctaacaagct	cctgggatga
23161	ttttgatcca	ggtggcctgt	ggttcatatt	ttaaggaaca	accattccaa	gtctcactta
23221	atggtagcct	taccttgagc	ttcaaagatg	accagcatgc	tggccacatt	ttcccccaag
23281	ggggtctctt	tagcctctta	aatgctaata	gataccagca	gcctctaaga	cctatgtgcc
23341	atgttatgtt	ctggaggaga	tgacaggcaa	acccactcat	caacaaaggg	cttatttcta
23401	agagaagtgc	ctggtggggc	cagtggtaag	aaagcagggg	tagcattatc	tgaaccatag
23461	tccatgcccc	actaaaattt	ctgtccagag	aagtaagagc	cttctgcgta	aaagcatgtg
23521	tcctctggag	agaacattcc	tggaaaacat	agagggtttt	attgcttagt	tttagaaaag
23581	ggacagggtc	aatcccccca	ttactatgaa	atatgggtaa	attgagagcg	tagtatgctg
23641	caaagcatca	taaaaataat	tttaccattgt	tactggcttg	actttaatgg	tgggttttta
23701	ggaggaaaaa	aataataaga	gaaatttttc	tgagtgtctc	gacaggagag	agaactctct
23761	tcagagttaa	gagacatctg	tgcgaaagct	gactgatccc	aagaggggtg	aattcttggg
23821	agcccaagtc	caagacgcac	aaaactctga	gttcaggaaa	cagccctctc	ctggagaagg
23881	agcctacca	ggtgtgtgag	agtgaagaaa	ccaaacacaa	gactaaggag	gaactattaa
23941	tagcaagctt	agctcccaac	ctaaagccaa	tgaagtgaag	tgcaatctgc	accctgtatc
24001	taggccaaag	aaccaggaag	acaatgtctg	gcctccacc	gtgctggatg	cagtctgtca
24061	gcctcaggct	cagccctctg	cagcaacctg	atgcctgccc	ttcttccaaa	ccaagactgt
24121	cttctatttt	gttctactag	tgtttattga	tgccctactg	tatactcttg	gaagtgtgaa
24181	gaaatgatcc	tacctgccta	gcagtgtgta	tacctgtcat	tccagaccag	ttccagctct
24241	catctgagat	cataagacac	ccataaagtc	ccctgcagaa	tgttaaagaa	caataaatga
24301	tgagaaattc	acattacaag	atctagaagc	acaagatacg	cataaatgag	ttgtatccca
24361	aaactttctt	tttaaattca	tagtttaaa	gtcagaaccc	attttccaaa	gggacagtgc
24421	tgtaaatagt	caggtgtgta	gtctaaacct	aacaaattca	tagtatagct	aaaattatac
24481	acatgtgcca	taaaaacaag	gaaaacattt	ctgctacatt	attataatta	catttaaaat
24541	aactcaaaaa	tatttttgag	cagttatcct	tagtgatgac	atccttggga	aataatgttt
24601	aattagaatt	taatgaaaga	gagattttct	tagaaagtat	gaggaaactg	gactcataag
24661	gacttttagat	tcttatctca	cattctttta	aaattttttc	tctttgtaaa	aatactacat
24721	ggttttgtgg	aaattttggc	aaatacatta	aaatttttaa	tacagatata	aaaaataaaa
24781	tttaatatga	aaccaaaaat	taaaagctaa	tatgtatttc	tgtccaagat	tttttaattc
24841	taaaatacata	tgcatgtatt	tttacttga	aaaacaagtc	acaaatattt	ttgtaatcta
24901	ctttttcacc	ttctatttat	caattatct	attttatcat	agtcttctca	acatcgtgta
24961	ttagctttct	tcttaatcct	tgccaaattg	ctcaattaaa	aattatatct	cattttaatt
25021	tttattttatt	cgatcactgt	tgaaattggt	ctttactctt	ctccaattta	atggccactt
25081	gtattttatc	tatatgtaat	tataattaat	tatcttttgc	attttttacc	tacttttctg
25141	ctggactgct	tatagttttc	ttgagctgaa	aagattgtga	atatataata	atacctcctt
25201	ggttattttac	atattgtaaa	tattttcatg	gtttgtcatt	taatttttat	ctggttcacg
25261	gtgttaacat	acagaaattt	taagctttat	acagtcaaat	ctatccagtt	tttccctttt
25321	agttttctccc	tatgttttta	aatattgaaa	ctattttccc	gggtgatcca	agttcatttg
25381	cgcttatatg	atgaaaagg	caaactcata	tagatagaaa	tacatcgaca	ggccttgcc
25441	ctacccctac	tgtctgcacc	tcatttgtcc	ccatcacctg	tagggaacca	attttatttg
25501	tgtctcactg	atccttctag	cacatctttt	tgcaaacctt	aaaacaatta	tctaattgat
25561	ctttctggaa	taggtacatg	gtattgcatt	ttgaaaagg	tgttttttcc	attaaatttt
25621	gtaattgttt	acagttgata	tcaaagaaaa	ctgttgattt	ctgaaccttt	attttgccta
25681	cattcatctt	gttgatctag	taatttttta	gttgattgtc	tgggtttttt	agatggacaa
25741	ttatatcatt	tttatgattc	atatgtataa	ttttgtcttc	tacctccaaa	tagtatgttg
25801	ttattatagt	tcttatttta	ttccatctaa	ataagccatg	attttacttt	gtgatggctt
25861	tataattagc	actattttat	gttttttaac	ataattgtta	tctatctttt	ctagttctta

FIGURE 1 (continued)

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25921 aagggcatgg ccgtgccaca tctggagttg ctgttatcat ttatgttaga taggatgggc
25981 taaactgtgt tgcttttagt aaaacaagcc taaaatctca agagcttggg acagcgaaaa
26041 cttatttatt acttaagcta caagttgatc atgggtcatg gtcaggtcag gtcacttaga
26101 tccaggccca tcccaccaga gcttatacaa ccaaaggctg tcatttcggc cgggtgtggt
26161 ggctcacgcc tgtaatccca ccactctggg aggccaaaggc ggttggatca tgaggtcagg
26221 agatcgagac catcctggct aacacagtga aaccccgctc ctactaaaaa tacaaaaaaa
26281 aattagtcgg gcgtggtagc gggcacctgt agtcccagct acttgggagg ctgaggcagg
26341 agaatggcgt gaacctggga ggcgagcct gcagttagcc gagatcaagc cactgcactc
26401 cagcctgggc gacagaggga gactccttct aaagaaaaaa aaaaaagaag aagaaagaaa
26461 aaggctgtca tttactgtga ctgaagctag aggaaggaaa gctggaaaat tttgcactgt
26521 cttttacagg tttctgtcca gaagtgcac acatcatctc caatcacatt ttactggcca
26581 aatcaagtca cttagccatg ttccaaaagg gcatagaaat tcattcctac catttgccca
26641 aaagaacagc ttggaaatat ggggtggacag agctaataag ttaccatata actctaaagc
26701 acaacacatt gtatacacac cacaatgca cagaagagat tccttcaacta ttggcgatag
26761 gttttcaata tgctcctagat ttttggagga gacagagtga tctaaactag ttgcacagat
26821 taactagatg attgtttaat gaactctaata ccaataatac tcacctttta taaagattag
26881 agtcaactca aagataaaaa ttttttaaaa gcatgagtta agagctttta cttaattctt
26941 ctcttcccct tggaaagcat aaattaacta aagtttacta tgattactag tggctgaatt
27001 ccatatttaa atttataatc atgtacagca tagctaataa ttttaattata agtgtaaaca
27061 attcccaaga cgccaatagt tcattgtcaa atcttacctg cttcacaaaa tttgggtaat
27121 ctatggtcta gaaaagacac tgccctttat aacattgaat aataacaaaa tggccatata
27181 ttcaataaat actaagtaat tactaaataa ttcagcctgg taaaccattt ttaattgtgt
27241 caaaagccaa aggtatcatt caatcctttcc tcatttgaga tgtattgcat ttcttatatg
27301 tgatggttaa ttttaggtat aaacctgact ggattaatgg atactcaggt gcttggtaaa
27361 ataatatctc tgagtatgtc tgtgagggtg tttctgagag attagcattt gaatcagagg
27421 actgagttag gaagattgccc ctaccaaga agggtaggca tcatccaatc catcaagggc
27481 caaagtagaa taaaaaggca gagaaagggc gaatttgccc tctgggatct gggacatcca
27541 ccttctcctg cccgcagaca tcagaactcc aggttctggg gctttaggac tcagggattt
27601 acaccagtgc ctcccacccc ccagattctc aagccgttaa cctcggactg agaattatac
27661 catcatctcc ccagttttc aggccttag actcagactg aattatacct ttagcttccc
27721 tggttctcca gcttccacct ggaatatcat gagacttccc agcctccaga ataacatgag
27781 tcaaagctca tgtaccccg ctttagagag aaagagaaat tctattgggt ctgcttctct
27841 ggagaaccct gtctaataca atatacaagg caactcttta ctgtgaggaa aatggagtca
27901 ttcaatcctc accatcccaa acagaacagg ctcttccacc acagcctcta tcaggccctt
27961 gtcggcaggc ctggggcatg aaatcacata aagtggactc tggatggaga aggcattcag
28021 gaaccagtgc accggtctgc agtgtgcaat aacctcactc atgtgcccct atacctccat
28081 tttctacctc tctctaataa gaacatgagg gattgctttt aatacacaga ttactattg
28141 ggccattcat ataaacatac aacaatcctg tcaacagtat tatagttggg gtcctatagt
28201 tgtgctcctc ctaacctgtg aattagcaat agatcatcct atccagagge ttggtctgtg
28261 tgcttcttct aaaggtatca aaataaagaa gttgtttctt cttttctctg ctccataatc
28321 aatatacaac acaaagcttc attcatgcat agtttgagct aggtcatagc atgacctgt
28381 cctagaactt actttctgcc ttccgatata catagtaaat agccaaaata tgtactcaat
28441 acatccattt ttaaaactag tcaatttaag ataagaaata tcacaaatgg gtttttggca
28501 ttataagata aaaagatcaa ttgattgaaa gtctcgttcc ttaagattga atttaattgg
28561 tttgattgac atcatttatc cacagtccat aaaccaaagt tatccatcat cattgatgaa
28621 cggcatttga aaactatcat caaattagtt gcttagaaat gccaaagatgc caccttagac
28681 aaggaaggcc tctggcaaaa tatattcatg tgctgcctaa tgacttttgt ccaccatgga
28741 ctgcatatat gacagtagac tcataagatt ataatactgt attttattgt atctcctcta
28801 agattagata tgtttagcta cacaataact taccattgtg ttacaatttc ctacaatatt
28861 cagtacagta acatgctgta cttgtttgta gctcaggaa aataggctat accatatagc
28921 ctaggcatgt aatagcctat accatccagg tgtgtgtaag ttcactctat gatgttcaca
28981 caaagatgaa atgcctaaag gaaggacaca actctcagaa cgtatctgga ctgagggaa
29041 acaacaatct gattatcaga tcttcaaaac gtgggcagcc ttacaagatt cagagtttaa
29101 ctgataagca tgtaatttgc aatttccata ccttgggaatt tgtcaagata atgttataat

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FIGURE 1 (continued)

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29161 agtcccttat agaactaata gactcttcca ataagtagat gctgctttgt gaattcagtc
29221 ctatcgtgag acttctgaat tgggatcttg gaatctcatt agcctcagaa tcctaaattt
29281 ataataaaga tgcataagagg catagtgagt agcatttgga agatgctctt aattctcagt
29341 tctccagttt gtcttaattct ttttatataa actcctctaa tctcaacct ggcttctgcc
29401 tgtgcaaaag tcaatatatg agttagttag tactccccag tgaaagacga taacatttta
29461 ggagtgatac tttatgtata tttagcattt gtcaccccta aacttcagtt atagaaattc
29521 tgcgcatgaat ccccaaaaata tgtcagtgaa ctaacagtct gtaaaccatac aatcatggca
29581 tttaatatcg tattagctac acagaaaaat aagggtatttt atagcacatg ctcaagagat
29641 ttcactattg acattaaaaat ctccaatgga aatactcctt ggaattgagg atatattgca
29701 gtagtggtaa aaaatattaa tatttggtga gaactcacca tagccctggc attctgctaa
29761 atattggata tctttttctc atttaaacct cactgctatc ctaggaagta gaaactatta
29821 ttacccttat tttaccagaa gcaaatggaa tcaagagagt aactgtttta cccaaaatca
29881 tcagcaggaa tgttgccaaa caatggcctc actgcctaag gtacacagaa gtcagtacta
29941 tggpaccagc ttttgagaaa agaaagggct ttattgcaag tcaactgcc aaggagacagg
30001 agccaacact caaatctgtc ttectgaaca agggtttgag agcaggtttt ccaggcaaac
30061 agcaacaatg caagggacag gaaaatgaaa caaggcatga tctgattgga tcatgcaaa
30121 aagtcacgcc aggtcttttg ttaagtccat acggcagcaa aacagggcac cccttgcttc
30181 ttaatttggc ccttgctcct tgatccaagc acttgggttc cacacatcat tgactttttt
30241 attccagctg gctccagggt cctgaatcag gtacccttag ttcatttggg catgctcagg
30301 taatgtgacc agcaacctg gggctccttg cactgaaaaa ctcacatctt tgttactgac
30361 aacgttgaat tggttctgcc attacagaat gacaaattaa caggaaactgc agtgcctac
30421 atgaggtggt ggtatcttgg gctaggtcat aacaatggaa atagaaatga gtggatctgg
30481 ggtcactttg caggcaacag cagctgctga tagactgagt gtagcagggt gagaagcagc
30541 agcaatcggg gtggctgcta ggattctgct tgagtgttg ccctgatggc atttatgtat
30601 atgagagaga agtaggttga tgcgtgttcc caagaggaga ataaaacaca ttgtagtcat
30661 gatctacaaa ttaaacatac aattatacac acagacacat gtatctatac atatttaaaa
30721 catgaccta gagaaggatg tttttctct tgctgttttt catactgtcc tatcatggga
30781 gaccacaat taggactctg aagacagctg tttgcttggg gttttgctaa tgcttcgggtg
30841 tatcaaagta aggcacacac tctgaggag aaatctggca tggaaacatc cttaaatgcc
30901 accctacccc tcatggttta tataagcctt agctacagca ttgtctagaa atggctattc
30961 tttgtctttt ctttggaaca catttctcac ttcaaagca actacccttt gccagccag
31021 gattttccca atactgaacg ggtgcccatc ttcaaggaca attccaaatg tgtgccctg
31081 cttttggaac aatgaagagg gtttcgctca ttgtttttct tgtcttatct gcattccagaa
31141 atttctggct tgtgccattt taattttata tacttttact ttatttcatt tgaattttag
31201 aaaataatga gtatttaaga gaataagtgt ttgaatttaa acaactagga gtaggattac
31261 tgcagttaga gccctggatt gccatttgaa gtcattaacc agcctgagac caacctttcc
31321 agcatgcctg cagggatgtc ttcccggtt ctgatacatc gcacattgtg tgactcccaa
31381 gcaagctctt ggccactcaa agaaaaacca ctgaatcaaa ggagatggca tatgagtcac
31441 ttcatacaat acttatttca catagattta aaactatgtc ttgtgagct caacttgact
31501 gcatgtttga atagtgaag acattgtgtg aaaaagaaaa ggggcaaatc taatcacagg
31561 cacaataacc cttctagaac cacattttag ataagagtgt cccgcagagg ccgggtgctg
31621 tggcttacgc ctgtaatccc agcactttgg gaggccaagg cagccggatc acgaggtcag
31681 gagatcgaga ccatcctggc taacatggtg aaaccccgct tctactaaaa aatacaaaaa
31741 attagcaggg tgtggtggcg ggcgcctgta gtcccagcta ctagggaggc taaggcagga
31801 gaatggagtg aaccaggag gttgcagtga gctgagatcg cgccactgca ctccagcctg
31861 ggtgacagag tgagactcgg tctcaaaaaa taaataaata aataaataag agtgtccgcg
31921 agaacaacag ttecttggga tattaacagg tattctctct tttttttgca aattttattt
31981 cttttaaaaa attattgtag gcacatagta ggtgtatata tttatggagt acatgagatg
32041 ttttgaaca ggcagcaat gtaaaataag cataccatgg caactgggtt atccgtcccc
32101 tcaagcgttt atccgttgag tgcaaacatc tcagttacac tccatacatt attttaaaat
32161 gtacagttaa gttattgact atattcacc gttgtcttat tcattcttcc tattttgtgt
32221 acccattaac catttccacc cattcccagc ccccaactta acagcgact ccaaaagggg
32281 aaaaatgatc tgtggtcacg tgagtaatgc taggttaagt aaatttgaac aggtttcttt
32341 actatagact tctctagatc tttttgttgt tgatgctttt ttgttttgtt ttgttttgtt

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FIGURE 1 (continued)

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32401 ttgtttgaga tggagtcttg ctctgttacc caggctggag tgcagtgggtg caatctcagc
32461 tcaactgcaac ctccacctcc cagggttcaag tgattctcct gctcagcct ctcaagtagt
32521 agtttgagatt acagggtccgc accatcatgc ctggctaatt tttgtatttt tagtagagat
32581 ggggtttcac catgttggcc aagctgttct caaactcctc aggtgatcca cctgcctcag
32641 cctcccaaag tgctaggatt acaggcatga gctaccgcgc ccggccgact tctccagatc
32701 tttaatgtga tgctaatagg ttctgtatct ccaagaaagg agagaggggca tttactgtt
32761 tcccaaactt atttaatcac agaaagctat ttttgagaat gttttgtggc acatattttg
32821 agaattctca ttccaaagga aagaaaaaca taaataaggg cttaattgaa aggacaacct
32881 catttaaaag ttgacataga ggccattatt tgggtcacag aaaactaagg cctgagattt
32941 gtcattggagt tcatgtcccc atttggtcac taagatagag acttgtcatt gtaatggctg
33001 ctccagcactg gtgaacaccc gccatgaact gacccaaacc agtgtggcca cacatgaggc
33061 gaggcattgcc cgttatcaca ctaccaaata cggaaaccaa gtcttaaacc aattttttgc
33121 tccatataca gacatttact ttacaattgc ttattaacaa ttcatacaac acgtttgggt
33181 agctcaaaga agtcccatct tctgtccttt taggggtctc cagcaccacc ttgactgaaa
33241 cattttctca aggcagacat ggcaacatgc ccgaggcagg attctggaag gttcctaggt
33301 catgccgggc aacttggaat tctccaacta agtgggtgga cactgggcca gtttagcgtc
33361 aagtctcagg cactatccct aagaaaaagg ctgcagtctt tgctggagcc ttataccctc
33421 ttcattaaaa acaggaaggg ctctaataat tttagccaatc gaggtagcag tattagtttg
33481 tgaggggacca caggctggta acaatagaaa tttattttcc cagagtgtct gaggtggaa
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33781 tcacattctg aggtactggc gcttagggct taaacatag aattggtagc agggacacaa
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33961 actatgctaa ttagcaaagt ctcatacact tctcttctt ttaataataa tttcaacttt
34021 tcttttagat gtgggggttc acgtgcaggt ttgttacctg ggtatattgt gtgacgctga
34081 ggtttgaggt atgaatgaat ccatcactga gatagggagc atagtaccca ataggtcgtt
34141 tttcagtcct ttaactccct ccttctcttc ccccgctagt agtaccaggt gcctattgtt
34201 gccatctcta tgtccatgtg taccaaatat ttagccccc cttataagtg agaatatgtg
34261 gtatatgggt ttctgttctt gcattaattc actcagaata tcagcctcca gctgcattca
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34561 atcctgggag gaaaggactc atataattgg gctcttttt gcagtatctg tatttctttg
34621 catatttcag catagacaat gtgatatcat ctgtatgcca gcttcaatgc taagggcagc
34681 caattacctt aatagagaat gtacactgga ggggttgctta cgtagcaaca ctcaggagac
34741 ttcaacaaat gctccgttta tacctataaa ctgagtagtg tctcatagg atcagcgttg
34801 gatgggggtt ggccaaatgt cattatttca actgggtctc tgtcttttg agattctgtg
34861 ttacctcaca gataattctt gtaataaatc ctttttctgc ttaaactagc cagaattcat
34921 ctttgcagcc aagacacctg atacagttac caatccttag attttcagaa agcatatgca
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35161 agagaaaaga ttgtccagg ccacatccat ttttatccct acccccaaaa ggatgtttta
35221 aaataacccc tgtaacaatc ctccagcctg agagaacaat tttccatttc tgtttaaacc
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35461 taggtcggca tctttttagg ttgctaggg a ggcctctctg gtaggggtat ggagaggaaa
35521 acaagatctc ccagcctaac cagaccagg tagacaggag agaggcgtg ctgtttgggt
35581 gtgggtgtca tccagggtaa ttcacttttc tgtgtttgct acccagtc atctatgggt

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FIGURE 1 (continued)

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35641 gtaggtttgt tgttggttatt gttgtttttcc tttgagtttt ttttgtgtgt taaaacctaa
35701 actgtttcaaa gaaaatgcat gctgtttctca tccctcaacc aagcatgttt tctcaattag
35761 acgcatttttc acagagaatt agtcttaaaa cccctgtgag cttaaaaata gattaagaac
35821 tattttcttaa gctcccttttc tttggaattt aaagtgtttt tgagtggagt ttttttgggg
35881 ggtggaggag aggaagttaa gcgtaattaa gtagatcaag aaaaaaaga aaatcattta
35941 actattttctt atatgatcct caggctttga ggttcaactca tgtaaataaa gctcatcatg
36001 gatattaatt cattcattcc tatactcctt cattcacaac agactgtgta tctatcaggt
36061 tcaaggcact gtgctaaaag aaatatacag gaagaagccc ggagcattta aaagcaggat
36121 gttgacaaac acacacattg aagatactat gatttgagct tctgacatct ggactaatta
36181 aagctgagga aattggcatc tatttggaac aatggccaac aaagaagaca ccaggcagaa
36241 caacccacag aaaattttcat cagccaggaa attagaattc actctcccca tccaaagaga
36301 aagttaatta ctggcctttgg tggattgcat tcctggctct gcactattat cttaacacag
36361 aaggcaagag aaggcaagaa ggggctgaaa gagccatcct tccaaaatat acttgggaga
36421 attaaaacac cgatgttctt ctctggggcc ctgtgactg gtcagatcct cttgcccaga
36481 tcataagagg gcttagtgga aacaaaaatg gtggttgtga atgtgaacac tattaaatgg
36541 tctttcttct gtatccaaag gtctaagcct ttctgaatgg agtctttcaa gactcagctc
36601 agacactacc ttttcaagga aaccttttgt gacctctctg cctcaaccc cacacacaca
36661 accatgccag ctagaccata gatcttctct agcatttcca cacatctgca ttaccctca
36721 tggcccagcc tcattatcag catccctcat gaggctgggtg gacacttggg gtgtctctgg
36781 cacattgtaa acccttcata aatgatttct gaaggactgt aatacatagt ttatacaatt
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36901 aataataata cataaaggaa atttcacata tttaaacaga caaagactga cttatactag
36961 aagagaaata atgacctatc ccacagggtg tatgtaacac catacgtttt ccaaactgct
37021 aaaagagagg tagtttgctt aaagttaact cccaactcta ctacttaaa ggtggagggt
37081 ccattttatc ttaacagtga ggagcatttc agaatagaat gttctcacac acacacacac
37141 tgaaggcaca taatttgagc tactgaaacc ttgaactcgt taaagcttag ttgttggaat
37201 gcatactcct aactttgcaa gattattaca cttagagAAC atctgagatt gcagttaaAt
37261 aaaacttagg tttgtctgaa aaattaatta gtgtacataa ttattctgcc acataaagca
37321 aggtatcaga tgtaagcaat tcatgtatgt tattttaata attagcacca ctaagttatg
37381 ttctttttcc acctctggct taattttatc tctaatatgt gtacaagtgt ctgggtctact
37441 gtgttcccca caccattaat gccaaccaca cacacgtaag cacaggcagc aaaagattaa
37501 aatcctgcgc acctgttttc gcttgcctct tcacactcct gcctctacta tggccccggg
37561 tgggtgctcc cagtactccc aagctctctg cctcctcatt ctctctcttt tcccctactt
37621 ccaggggagg attcacatcg gatgggactg aaacgtatac aatttaggggt ttcttatttt
37681 caaaaaataa tattaaatta ttaattctac tgggtgcggt gggtcacgcc tgtaatccca
37741 gcactttggg aggcggaggc aggcggatca taaggtcgga agttctagat cagcctgacc
37801 aacatggtga aacctgtct ctactaaaaa tacaaaaaat tagccaagta tgggtgcaca
37861 cacctgtaat cccagctact caggcaggag aattccttga acccgggagg cggaggttat
37921 agtgagctga gattgcacca ctgcactcca gctggggaga caaagcgaga ctccatctca
37981 aaaaaaattg ttttaaaatt aggtagaaat aaatatttat ttaaaaagag aagtttcac
38041 aaactaaaac acaaagtaac aaatatcaca aaatctaagg gaaaaaaatc tcaaaataaa
38101 tgtattagat agttctttgt gtagcactgg tccacggact gccttctgac tatgccatgt
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38221 ttgacatgac catcatgata agacctctag cactacatct tcaggtcagg acagcagggtg
38281 ggcgatagga agatgaatgg aagccattcc aacacaagga gggctagccg ttacctcaca
38341 cagtgactgc aaaccacaca gatatactct cacaacctgt ccctgagcc agatccaaaa
38401 attgcctgta gtcactctaa ctctctaaca gagaagtgtg actgaggcaa gttaaaatgg
38461 aaaagtccga ggatgtaagc agttgtagct aacatgtctt acttgtgcaa atgttgccaa
38521 acatgaccac atgaacgcat cactagggcc tctctagggc ctgggaagga atccaggcat
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38641 cccacacatc ttcccatgga ttccagtcct caagcttctg ggtccagcaa ggcaatgagg
38701 ctcaaggcac tgagcgccat gccttagggc aggatggaca aactggcaaa ggaaacagga
38761 agagtaaate acacagatgc cctctgcctt caagtcttgg gacaaagagg gatggaggga
38821 gggattagag ttctgagcaa agacaggact ttgaactcaa gcaagtggac actagctcat

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FIGURE 1 (continued)

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38881 tgaataacca tgagctaagt gcttcacacg gattactgct ttcacctca ctaccaccct
38941 aaggaaaagg agagagggaa ggagaagaga aagaaaaaga ggaaggagaa aggtaaagaga
39001 aaggatgatg atgaaaagga ggaggaagaa ggagaacatg gagaagaaga atgtaaaaaa
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39121 acacagagga agaagagaaa gaagagaaag agatcaagtg aaagagaaaa agggaagggg
39181 agggaaaaga gcaaagaaga aaacgtaagc tgatagagag agataaaaaga aaaaagagaa
39241 agttttactcg tgaactcctc ttccctagga agcagcagtg tttatctttg ctgtcataat
39301 aaaattaaaa gctttttttc agactataca ctcatcctct taaattagaa agagtgacaa
39361 tttctttttg ctcagttctg caaaatgcaa gttgtcatga tctcacctct taaaaaaagg
39421 aaaaagggaa aaaagcaacc tccaagaga tggtatcac ttcaagcgaa tgcccagcgg
39481 gccagccatt tggttgctgt ccatgttttc cagtggcatg tgagcctttc acccagacca
39541 caatcccatg ccaagctcca tgtcatgttc aatcttcaaa atcttttgta caattccaac
39601 actttccagc aagagttgat tttctttatg tttgcttgc ttttaactga ctgacactca
39661 taaattttctt ccaaggaaaa aagaatagca gaaaacttga aaatatcacc taatctgtac
39721 tgcacatggt aagactgttc agaaaagttg aaaaattata attcgcaaat ggggtggcttg
39781 aagtaccagt tgaacctcag aaaaattaaa ttcttttagga ggaatgcctt taattagaat
39841 cagaagtaga ctctgtcatg gaagtccctg aaactccatt atttcacaga tttgcagact
39901 catagacttt cttattttat gtcagaaact tctggaagtc tctcaatgaa tctccaagtt
39961 actgggtgag accacaccta gccaggaatt ccagatgaac tgccagtgc atattattgg
40021 tgaagacacc caggaaatat ttcacacact atctcagtaa cattccaatg tgttacaatc
40081 ctgcctttta ggaaatcctt cattatttcc aaagatactg ctactgctct acatcctttg
40141 tgaaaaataac aagatcaaaa cctttataat ctcaaaaaaa aaaaaaaaaa aaaaaacagg
40201 aaaagaatta aggaacattc tctcttcttt tttttttttt tttttttttt tggaaatgga
40261 gtcccatcct gtagcccggt ccagagtgc atggcgtgag ctacgtctc tgcagcctcc
40321 gccttccggg ttcaagcgat tctcactc agcctcatga gtagctggga ttacaggcac
40381 ccgccaccat gcctggctag tttttgtatt tttagcagag acaggggttc accatgttgg
40441 ccagcctagt ctcaaactcc tgacttcaag tgatccacct gccttggcct tccaaagtgc
40501 tgggattaca ggtgtgagcc actgcgcca gccacattc tcttctctg caaactaaca
40561 tgtctatacc tttttcagtc cttaatgac ctgtgtggac cctgtacata acaacgtgct
40621 ctgtgggccc ctccgttgtg ggtcgaacaa ttaaacacct cactctggtt ggtgccagcc
40681 agatgagttg atgaaacctg agaggccaga ttgcttcag ttctgtaaaa cctgtttgag
40741 aattaaaaga gatgtccat catgtcctag gctgagtaa tatgaaggaa cagtgttaatt
40801 ctatggcaac tgacaatccc aacagtaagc caacacagca cccccccag gagcaacagc
40861 aagtgtttga gtgggttcaa aagagagttg gggaactagg gggattgggg ctgcacgtga
40921 cgaggagaaa ggggtgtgga taacatgggt tggccttgg tgataggcta tgtccagctc
40981 ctgctgcctc tgtctctcct tctcctcct tacctcactc ttgagcccc cactttctc
41041 tgtctcccta tctgaaacac atacctgct cttaattggg aaactagtaa acatttctgc
41101 tgattttaat cctgaaacat cattgagacc atatgaaatg agtcttaagg atcagaacca
41161 tatgaaggga aggaactgtg gctggcagcc ggcgcacctg tgctgtcttc tggacttcca
41221 ccaccaacag tctccaggac ctgtttcaag ttgcttcacc tctttgaacc gacttcatct
41281 attaaactgag tggttgaact agatggctct ttctggctta aaaattctgt gatttcatct
41341 ctggaggaat ttcaagcatg ggtagagaga gaagaaactg agaggcaaga ggtatggttt
41401 ggactcatca aattaaatca caggtgactt tccagtcctc ccaccacctc gatctgtaag
41461 gctgcctttg ggtgcgtggc ctctctgcaa aatggcaaac acttgaaaaa gcttccacgc
41521 tgaaacccaa accagaccat atttaggatg ccccataagg tggcattttt tactaagatg
41581 ataaaggata aacattggtg gagccagaga ggtgtctccc aaatacagtc cctcccatac
41641 gcaacactgc agtagcctgc acctatctg cagagtatga aaaagacttt tgccaaagac
41701 ggcttttggg gatttatcat tattacatgt taagagcctg ttctccatgt cctcaccttc
41761 ctaccttgct aatcttcccc atttccatct ttccggccag tgtgagacct caccatctcc
41821 ttttccatc ttctttctc catacccttg gtttcttagc aggtcaatgc cctgcccct
41881 tcaactggaat ccatccatcc tggttattct tttctttatg aacctgctgg actacatctc
41941 aaagttaccc aaaagagggg taaaaagaca caataaaatc ggaaataacg ctccacctta
42001 ccagcctgca gttaagagtg tgtggaacta ggggtggctg aggcaaagag atagggggaa
42061 gggctgcctc atgccatggg caggacagta aatgggtgcaa attttctgga aagcatctta

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FIGURE 1 (continued)

42121 gtaatatagg tgaagagcct ttacaatgtg tttatccctat gacctatcct taçttctctt
 42181 attctaaagg aataagaaga ggtttaatca aagcatgagt gaaaaggcca tccaaacaca
 42241 gggaaagggg ccgttatgat gtctacgggt ctaagaaata gaaaacaaca acttggttta
 42301 aataataagc acataacca agaaatctag aagtaggatt cçcttaagag ttgagagatt
 42361 tagcagctca aaaatgtgac ctgacatacg agttcçttct atgçttttgt tçttcctcct
 42421 ccaacactgg tttcacacta aacttggtc cccagtggcc aatagcacca aacagcactt
 42481 atcggcattc ttgttggtat ccaaaagaga tggagaaagc ctgatttcac atggctcttc
 42541 cttaaaagca acaaaggact tttcccgaa gcçttcagca aacçtcgtca gatttgaatc
 42601 acatgccaat tçctaaatca gtcactggca gggagtggg aaaaagggga ggaggtgttt
 42661 accçttaacc aatatgcct cccctgccc ctgagatcaa ttccataaaa gtattgcttc
 42721 agttcçttga agaggagtac aatgtttgtg agtcaçtcac cacatttacc caccaagagc
 42781 taagggataa ctgagtaaaa tggtagagct ggtaggaaaa tggtagtag tcccgçtçtt
 42841 ctgtgccata attgacttgt acacaaagag atttggaat ttaacataa gaactçtçtc
 42901 ttççcaagcc cagggçtttg ggcacttcaa gtçtggtçct tgçctgggca çagtggçtca
 42961 cgcçtgtaat çtcagcaatt tgggaagcca aggaggggtg atcacçtgag gtgatgagtt
 43021 tgagaccagc ctggccaaca tggcgaaacc ccaactçtac taaaaaatat aaaaattagt
 43081 tggatgtagt ggcacacgçc tgggaatccca gçtactcagg aggçtgaggc aggaaaaatçg
 43141 çttgaatçtg ggaggcaaaa gttgcagtga gçtgagattg taccactgca çtccagççtg
 43201 ggagacagag caagactcca tcccacccçc caccaaaaaa aaattçtgggt çtttactgt
 43261 gaaaaaataa agçtaatttt ttaaaaacta aataataaag agtgçtaggt gataagtttt
 43321 atgatagaga taatgtgtgçc tttaaaacac acagcataaa acagatggaa aacacçtçat
 43381 ggagaaggga gagçttgaat tgggtgtttga ttgaaggaca agaaaaatçt gttggtaact
 43441 tççtççtggc tçtgacçtçt gatgcagçta aagtaaagca acttagaatt atgatçtagg
 43501 gaacatattc agagagaaat gaatttatga tçtçttcaat ttgaagatgç tatgatttta
 43561 gactattçta gaatacaatg atttttcatt gçttcacact tgtaagaaat gttccactac
 43621 tgaaaaattg caacacttaa aaaattççta caaaaaatca çagccacçct tgçtgçttçta
 43681 tgçtaataaa aaaaaatatt ttttçtcaat tatgttgçtc tççttaatta çacgcaattt
 43741 taaaactagc tgtaactgac agçççtttcc tcacacttac tgccaatgta tttagggtcaa
 43801 tcccacçtcc aattagagaa acttagaaaa aggaaatççt acgggtgaaat gccatattgçc
 43861 ttacaatttt çagtaactaa tççtcaagga tgacaacttg gcaaaaaaga gaactggacc
 43921 agçtçççtga aagggtccatc acttçggçcc atgttaattg attgççttaa aatcacagtg
 43981 çttccagggt gtagagacac actcaaaatg gactattgçc çtcacattaa aggggatagg
 44041 ttttççtttçc ççttttççca tçççtççtçc tçtcaaagçt gçacagagggt atatgagggt
 44101 tggggaaatat ttgçagcaca tçttggçtgg caagaatgtg ggtgaattcc tçttaaagggt
 44161 cçcagacact çççtççtçta tgacçtttcc tttccaccca gaacaactga agtatçatga
 44221 taagagggaag ggçtttçtçt ttgagataag çagçtççtat acçtgçcagc tttçtçtaat
 44281 aagaaaagçtc tttççtgçca ccgtatagggt çacçttçtta ttggtaaaagc atgatgaagt
 44341 ttggaaactg ttgtççttgt ttgttgaaa gaagçcaagt tccaagaaat ctgçagaggc
 44401 attççtaca a tçççtçagcc atggcagçat gaatççtgaa ggggçagtgta gtgçtggttt
 44461 çtactçtçtc tçcagagçta agççtagggg agataatççt ttçatacaag atgçattçtg
 44521 çttttgtggg ççtçttgçag çççtcaagcc çççatçtgat ttgtacacaa tgatççagtg
 44581 ggççagagga gçççagagcc atgagçggçc çatçççtçca agaactattt çtgactgtçc
 44641 agtatçatgg agcaagtgg aagaagaaaa aaaaaaccca attacttttç gaagagcaag
 44701 atgaatgçtg tagaaggaga aggaagggga gggagatgga tgggtgççga ttççagaatc
 44761 ttçagatçtg çttggatgaa tcattacçta tgatttgçgg gacaagaatc tgattttatt
 44821 çatcaaccag tagaaacttt tçttttçgçc tcccaacatc tgaaatccaa caaacatgtg
 44881 ççttaggaac ataccggçtca tçttttagag gçattttata tacatattga gtaactagaa
 44941 aacactçttt ccgtaataca cacacacaca cacacacaca çacacçatçt tçtcatacaa
 45001 çactçççagc caagaaaagc gaaactgçtg tttgatgaat gtaaacactt ggçtgçtttçc
 45061 agçagtgçgg agtççtgçca ggtttaaagt çtaagatggg aggtgaacçc çaggggtttc
 45121 ççççtçççg tççtgagatc çttatttgggt çagçttçta ççtatgçççt ggççtçggag
 45181 çgagçççgat agççtçggat çacagçagag ggagçgagg gççtgagçtc ççatçççgaa
 45241 gagatgaatg gaattççag aagçtagagt çatgçtgççt tgggagagtg gçttggagac
 45301 çagacttcaa tgacagaagc actaggçagc ggcactçatg gcaatgtgtg caccacaga

FIGURE 1 (continued)

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45361 aatgtaaccc acacctcggtg ttcaggagcc gaaaaatgaa aagaacgttt agggaggaaa
45421 aagggaataa caataatagg cagagagtaa tttattactc tatgggtctg ctctgtaaat
45481 agctgaagac tctggagcca gatggttctg caaattctcc aaacaggagt cacgttaaga
45541 agcacgagtg ggcacaaaaa ctgtttttca agacacaatt tcaatttggc ttgtggaaac
45601 tggatacgag taagtttctt taaaattcga gtagaaagca gctgtcctcc cggggccctt
45661 tgatgagaat acgcacaccg cccccaagcg gccggccgag ggagcgccgc ggcagcgagg
45721 gaggcgtctc tgtgggcccc ctggcagccg cggcaggaaa gggcccgaag gcagcgaagg
45781 cgaacgcggc gcaccaacct gccggccccc ccgacgccgc gctcacctcc ctccggggcg
45841 ggcgtggggc cagctcagga caggcgctcg ggggacgcgt gtcctcacc caccggggacg
45901 gtggaggaga gtcagcgagg gcccgagggg caggtaacttt aacgaatggc tctcttgggtg
45961 tccctgcgc cccgtcggcc catTTTTctt ttacaaaac gggcccagtc tctagtatcc
46021 acctctcgcc atcaaccagg cattccggga gatcagctcg cccgaaagcc cctgcgccac
46081 cccgcggggc ctcttaggtg gtctccccag cccgtccctt tttcgggatg cttgtctgac
46141 accccgagcc cgcgtggcgc aagagtacga gcgcgagcc cgtgcgcgc aaggctgcgt
46201 gggcggggc cgaactttct gagaagttct agtctccca agccccgacc cccgccccct
46261 tcaactttct gctggaaagt tgcgcgccag gcagcgggg gcggagagag gagccagac
46321 tggcccccc cctccgcttc ctgcccggcc gccgccatt ggcggagga atccccagga
46381 atgcgagcgc ccttttaaaa gcgcgcggct cctccgcctt gccagccgct gcgcccagc
46441 tggcctgcga gttcagggct cctgtcgcct tccaggagca acctctact cggacgcaca
46501 ggcattcccc gcgcctccc agccctcgcc gccctcgcca ccgctcccg cgcgcgcgt
46561 cccgtacaca caggtaagtc gccccggcg gccgcgagg accaaagctg cccgggacat
46621 ccacctggag cgctgaggt tcagtcctc tgggtggacc cggaaacctac actctccccg
46681 ctgcctacc ccagcccgct cctctcagcc gctggaggac tcttcagggc aaggctccag
46741 agccatctc tccagccttg aggttcacaa accaactcat caggacacc caagatttcc
46801 ttactctctg aagtcctct taagcctttg tatcagcact ccagggaaga gtctgtactt
46861 cccctgcct cctgcaacc ccaaactaca gttcctgatc ttgctcact tgcacttccc
46921 aaaagcccc aaattggttg tcttgccccc cccacacttt aaaaccagca tctcttctt
46981 ccacctctct ctctctctct ctctctctct ctcatgctct ctggaaaagta atcctgttgt
47041 ccttcatttc agcaaacgcg gggtaaaaga gggatggtcc cggccctgtc cccatgccc
47101 gccccgtttc tgcgcaccgt cctccctgc ctactgtatc tctgacctc ggctcttgtg
47161 ctctctgcta caggatccct gctgggcacc aacagctcca ccatggggct ggccggggg
47221 ctaggcgctc tgttctctgat gcatgtgtgt ggcaccaacc gcattccagg tgagtgtgtg
47281 tggcaccttt aggggaagga gggacaagga agaggtgctg gctatcccag gtgtgcccc
47341 tcacgtgctg tctctctcct cttgagcctg actggacatc aggacgcagc ttcactctga
47401 tccgtgtatt tattcacctc tttcagtggt tgccaggagt tttacccca accctttgtc
47461 tccaccccta aggactcagc cccctactgc tggteccagc ctagaaagct cacttttgtt
47521 tctctctgt ctaacagagt ctggcgagga caacagcgtg tttgacatct ttgaactcac
47581 cggggccgc cgcaaggggt ctgggcgcg actggtgaag ggccccgacc cttccagccc
47641 agctttccgc atcgaggatg ccaacctgat ccccccgtg cctgatgaca agttccaaga
47701 cctggtggat gctgtgcggg cagaaaaggg tttcctcctt ctggcatccc tgaggcagat
47761 gaagaagacc cggggcacgc tgctggccct ggagcggaag gaccactctg gccaggtctt
47821 cagcgtgggtg tccaatggca aggcgggcac cctggacctc agcctgaccg tccaaggaaa
47881 gcagcacgtg gtgtctgtgg aagaagctct cctggcaacc ggccagtggg agagcatcac
47941 cctgttttgt caggaagaca gggcccagct gtacatcgac tgtgaaaaga tggagaatgc
48001 tgagttggac gtcccatcc aaagcgtctt caccagagac ctggccagca tgcagacct
48061 ccgcatcgca aagggggggc tcaatgacaa tttccaggtg aggcctcttc tctgagccct
48121 gctccgtggg atcatctgct agacaggtga cctgccagga gggctacagg aaatcctgtc
48181 tgtaaaacta cgcagcagtt ctccagattt aggcagcatg agcatcact ggagggtgtg
48241 tgaaagctca cctgtctgca cccagcccc agagtctggg attctgtaaa actgcaactc
48301 taacaagtac caggtgatgc tgatgccggt ggtctgggaa gcacactttg aaaactactc
48361 aaggaaacaa gaaatggttt tcttttagca gtcagcctgt tcaagcctta gatactcctt
48421 aggcctttaa gaaaagagct tatttcaaat gcattccccc aattttaatc ttgtttgaaa
48481 tggatacttt ctatgggcag aatcagtagc actttgctat tggattcctc atggggatgc
48541 agctggtctc acataaaaagg ttaaaatagc agttagttgt tgctgttaca gcttcatctg

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FIGURE 1 (continued)

48601	tgccttaact	tctagatctt	tgcaacggtg	gctttgaact	cccacattta	actctttgac
48661	actggaaaagt	gtcattatat	cctctaggct	taggatcaga	ttccatttcc	tgtgtaccca
48721	agtaggctga	taactgaatt	cttttgtaaaa	tactcaagac	ttggcagaag	tcacaattaa
48781	gatttttgaag	ttgtttggcg	attaatgttg	ctgtgttatt	ttgacatagt	gatcttaaga
48841	cagctctttg	aagcttttag	aacatctatt	gtatgctttt	cctagcatac	agacagtctc
48901	cccccaacccc	atccccaccc	cgctctgcat	tctacaagta	atgtgtgtcc	tctgccaca
48961	gggggtgctg	cagaatgtga	ggtttgtctt	tggaaccaca	ccagaagaca	tcctcaggaa
49021	caaaggctgc	tccagctgtg	agtacccttc	tatttttagg	gcacataggg	aatcaggggg
49081	aattccacca	aaaacaaact	gaggaattta	gcaatagtgg	ttatacataa	attaccccca
49141	gtgagatcat	caagaggcat	acagaagtga	ctccaagggg	tattatacac	acacacgtat
49201	acacacgtgc	gcatacacgc	aacccctcta	cctgcctcct	tcacaccaa	tgaaacgtct
49261	tctaccacta	agaactcaag	aggctgggtg	gtaagagtat	ctatttgaag	ttttcatttt
49321	gtttctttgoc	agctaccagt	gtcctcctca	cccttgacaa	caacgtggtg	aatggttcca
49381	gccctgccat	ccgcactaac	tacattggcc	acaagacaaa	ggacttgcaa	gccatctgcg
49441	gcatctcctg	tgatgagctg	tccagcatgg	tccctggaact	caggggcctg	cgcaccattg
49501	tgaccacgct	gcaggacagc	atccgcaaaag	tggtcagtgg	cctctgcacc	cagcccggtta
49561	gcatgaaccc	tggaaggttt	atcgcagatg	gtcccaaagt	actgaaaatg	cggggggaca
49621	ctaatagat	tctctcccat	ttagactgaa	gagaacaaag	agttggccaa	tgagctgagg
49681	cggcctcccc	tatgctatca	caacggagtt	cagtacagaa	ataacgagga	atggactggt
49741	gatagctgca	ctgagtgtca	ctgtcaggtg	agggaccttc	accagccaga	ataagaatcg
49801	acggctttttg	tttgaaacct	catctttggg	gaaataccct	aatcgccaca	gagattcttt
49861	ttatgttcca	tggcctgata	acaaagtgtt	ttttttttct	ttaagatgca	attatggcat
49921	ctataagttc	ttcttttaaac	tctcagatgg	tttatcaaag	tattaattat	acccaggtct
49981	aagtatctaa	gagaatgaat	ctactaagac	atctgaataa	tttacctacc	ttagttcaaa
50041	gactaagtgt	tgaatgtcag	gtaaataaaa	cctggttgga	acattcattt	ttttttccca
50101	acccctgattt	atattcagct	ttggcatagg	ttcttttagt	acagtagcaa	ttgtttttca
50161	aatcacttag	tctgacactg	ttaggatgtt	actgtctgct	ttgctcagat	ggcactgcca
50221	ggtgtgtgat	tcactctagc	atccccgcct	gccagtggcc	agtgagtttg	gaggttcacc
50281	tggtcttatct	attaatagca	aagtatttga	atttgcttaa	atacaaatca	cagatgactg
50341	gctgtgggaa	ccaacttcat	taaattccct	ttcttttcca	atataaagac	agatcacaga
50401	tctatagatg	aggaaaaagt	gcttatagat	cttccctcct	ccccccaaac	acataatata
50461	aaaatgtaaa	agtcctggct	gaattttctg	agtttgattt	cagacataga	tttgacccat
50521	gatgtttggt	ggttcctctg	ctataaattc	tttgactgtg	aacttccacc	cttgactaag
50581	tagcaattaa	aaagaacttg	ccaaggaatg	gagtgcacag	taaaactagca	ctagaactgt
50641	ctctacgata	gtggtggctg	caaatatgac	agagacagat	ctatgaaaat	cattccacta
50701	gagcattgac	agccctgacc	atgttttggc	ttgtaaagga	aatgttacag	gatgtagact
50761	tctgtatgca	acatgtctag	cagcctgttc	ccctctcact	ctcttgccct	gcagaactca
50821	gttaccatct	gcaaaaagggt	gtcctgcccc	atcatgccct	gctccaatgc	cacagttcct
50881	gatggagaat	gctgtcctcg	ctgttggtcg	aagtttctca	aatggcatag	ctattcttca
50941	gtgactaggt	cagttctaca	tacatcctag	acagccgagc	acaacactgg	aacccacccc
51001	ccatctccat	catgcttcca	ttcagtttct	tgctgcagca	gctgggtaac	tgacagctta
51061	tctgctgtac	agagccaaaa	ctccattatg	agtacatcgt	aattacccat	ctggattgca
51121	gtaatggcag	tgaagatctt	ggtatagctc	attaattctg	attttttgct	ttgaggaaaa
51181	gagatgaaga	cgtggcgagca	acagctctaa	gttgactgct	tttagaattt	gaccttagtg
51241	gcacagagtt	aagaaaaatc	tgtcaccag	agatattgac	aggcttactg	tgtaagcatt
51301	ggcctgatcg	ggcctggaag	ttttgcccc	ttcatctgta	gggataagag	ggcctaagag
51361	aatagcagca	atctgagctc	tagagcacca	aaagaaataa	ggcacgatat	cgttccatgg
51421	caggttatcc	ctggcttttg	ttaccagtaa	aatgaatgac	tttgctgaga	caatacttag
51481	tttagcaggt	acaagttata	aaagtgattc	attacaacta	agataaggaa	gaaaacagga
51541	aaacagcact	tgcccttcac	acacacagaa	acacacatgc	acacacacac	aaacacaccc
51601	ttgtcacagc	tcagaataac	caattccatc	cagggatcat	attagcgata	ttggcactgt
51661	aatggctcgtt	tttacattta	ttttctgttc	cgcattcact	taacatgtgc	gttaaaagga
51721	acaaagctag	ctggaggtag	caaagttttg	aacttgaatc	agggattgct	aagaaaactt
51781	acaactaatg	accacagaaa	gtaagttctt	tgtcttctgt	ctgatacagc	tagatgtgat

FIGURE 1 (continued)

51841 tgtagccgtg gtgcctgggc agatggtaaa caaacatgct gtccctttat gacaatatgt
 51901 gcagagaagg ccccaaacgc tgggggtgaga ggaacaacaa actgactaac tcacggccga
 51961 gttggagcca gaaccaacaa cagctcggct gccttcacac tcactgtca aacacatggt
 52021 gtatggctcc cctgacagaa atgactccta taagcttcct catactcgcg cattcttggg
 52081 agtctgagac tggaaatgcc taccagata tgtaaagtca gtaaaggaaa actcatttgc
 52141 aatgctgaga ggagaaagaa aatcaatgaa taggagagca tacactgtgg gaaggctcag
 52201 ctgtactgag ccaggcaaag catccgatta cccactgct gtacacatca tgacctggga
 52261 taaaccctg gcccgttggc ctaagaaata tgttgccttt catcctgtat aactgcaact
 52321 ttgtgccggc tcatattatg ttctagagag ctcatgtaca ccatggtgac catagttaat
 52381 aatactggat tgtatgctta aaatttgcta agagagtaga tcttaagtca tcacaaaaaa
 52441 aagtaactgt aagatgatgg agatgtgtta attagcttga cggtggtaat cacaatatat
 52501 gtgtatatca aaacatcaca ttatacacct taaatgtata taatatttgt caattatacc
 52561 tcagttaaagc caaaaagaaa taaatatatt gcttttcacc ctctggcaag tggaggggcc
 52621 tgaacagagc cctctaaaga acagcttgct ctaatcatca cgtacctgat gaacctctgt
 52681 tccccctgca gccagcgact ctgcgagcga tggctggctc ccatggctcg agtggacctc
 52741 ctgttctacg agctgtggca atggaattca gcagcgggc cgctcctgcg atagcctcaa
 52801 caaccgatgt gagggctcct cggccagac acggacctgc cacattcagg agtgtgacaa
 52861 gagatgtaag catcttagcc tctcagggac gtggagaact gacctgtcct tgttgcctgc
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 52981 aatcccactg cttagctgtg cacccttgaa cacaacttac cctctctgag gctctttcct
 53041 catttgcaac ttggagataa taatagtctc tgataagttt atcttgagca ttttatttag
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 53641 agttcagtggt gtcataagagc aggaagggtta cctactagag aaacaaacag aagcaaagtc
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 54001 tgtaacagaa aaccagatct gcaacaagca ggactgtcca attggtgagc cagcagccc
 54061 aggatgaaac gaccagag ctctgtctt ttactgaatg ctgcagtcag cattcgagga
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 54241 gcatggcagt atggcagctt agaccaacca ttactgtga ctgtctctct ctccttgtct
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 54781 tcataccctt caccaaaaaa aaaaggcgga ggagatgaat gtacggtcta gtttagaaa
 54841 cgtgattaga aaatccatgg taaatcctgc aggggaaaaa cagtcttcca tatttaaaaa
 54901 tgctgctctg gaataagttg tgagcagatg gacttgtaaa cgcttaggtg ctgagcaaat
 54961 tcaagaaaaa taaacataaa gcaaagtttg cttatagcct caggagaaat ggggagggac
 55021 agaggtaacc cacactcttc caaatggagc ctctgtctac tcagagatga cagggatctg

FIGURE 1 (continued)

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55141 taccctcagg tgtgcaagcc ccgtaacccc tgcacggatg ggaccacga ctgcaacaag
55201 aacgccaagt gcaactacct gggccactat agcgaccca tgtaccgtg cgagtgaag
55261 cctggctacg ctggcaatgg catcatctgc ggggaggaca cagacctgga tggctggccc
55321 aatgagaacc tgggtgtcgt ggccaatgcg acttaccact gcaaaaaggt agagccaggt
55381 ccttttgttg cctccagaaa gagggcccat caccttatca aaacacaggc taaggaattt
55441 taaatactta aagtttggac atgaaactga aagattaaat ctcccaaagg gagaggggca
55501 ctaattccta ttaaaattaa atcacttggg gccaaaaaca tgaacagggc tagctctttt
55561 tgggcaactg tgttccatag tcaactcttc tgtccaaaaa aaagttcagt actctatcca
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56761 tctgtctagt cctggctatt agtatgcact ttggtggaaa catccaaggc tggagagccc
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58141 tctgacggtg agtcatggga gccactttct aagacaggga ctgctggcac agctgtgtag
58201 attgaagaaa tgaaaccaag gctcaaagca tttgacagga tgaagggacc aaatgccaac
58261 ttagacaaga tagtgacatt tctgacacca gtaataataa tagcacttta gaattttgct

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FIGURE 1 (continued)

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 58441 ccgatttccg ccgattccag atgattcctc tggaccccaa agggacatcc caaaatgacc
 58501 ctaactgggt tgtacgccat cagggttaaag aactcgtcca gactgtcaac tgtgatcctg
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 58621 aaaacaaata taaaacctgg cagttgtacc tatccctgtg ggtgctgagg atgtctagga
 58681 acatgatgga gaaccttctg aaggctgcag gttttaacct ggctctgggc tcttctcca
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 58801 gacgatgact atgctggatt tgtctttggc taccagtcca gcagccgctt ttatgtttg
 58861 atgtggaagc aagtcaccca gtccactagg gacaccaacc ccacgagggc tcagggatac
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FIGURE 1 (continued)

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FIGURE 1 (continued)

64801 gaaataat ttt tactctgtgt ttctttctgt ctccctcttc cctccctttt ttcttctcta
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 66361 ccttttacac atgaggcaat aatcacactc tcatttaata cttactgaac agtcaccacg
 66421 agctgcagac aaagtttacg agaaaaatag aaagatcagg gcgcctactc tcattgagct
 66481 tacagctcag ggagaacact acagggtttt gagctaaaaat gattatggat gtggagacac
 66541 acacagaagt taatattttg ctttctacta agtttctggg aagtacagtg agaccaaaag
 66601 taaatgttat atgtagaata gataagagct gatgccttt catttcttga agtgagaaaa
 66661 aaaattgtga cattaacaga aaaggaatgg aaatatttt ctacccttgg tgagaaggtt
 66721 atcagaaaat gcagaattga caatagaact aaatttttaa aagacaaaga gaaacaggag
 66781 aaactggaac cttcatgcac gactggcagg aatggaaaat ggtgcagtag ctttagaaac
 66841 agtctggcag ttcttgagaa ggttaccata gacctggcaa ttccacttct aggtataagc
 66901 ccaagagaaa tgaaagcata catccataca aaaacttgta cacaagcgtt catatcaaca
 66961 ttatatgtaa tagccaaaaa gtggaaacaa ccaaatgtc catcaaatga tgaatggata
 67021 agcaaaatgt gatatatcca tataattgag acttattcaa caatagaaaa gagtggagta
 67081 tggatacatg ctacaacatg gatgaatctt gaagacataa tgtaagaagc cagtcacaaa
 67141 aggccatatg ccgtatgatt ccatttatat gaaatgttca gactaggcaa attcacagag
 67201 acagaaagac tggatgattg ctagggctgg ggttggggaa aatgggaagt gattactaat
 67261 acccaaatg ttgcgttgc gggggtggaa aaaataaaaa attgatagtg gtgatggagg
 67321 tacaactctg taaatatact acaaaccaatt gaattgcaca cttttaatgg gatgaattgt
 67381 aggaagctgg tgaacagtgg ctcccaaaaa ctccatcct catcctgca acctgtgaaa
 67441 ggggtctttc tagatgcaat taaattaagc ttctcgagat aagaagatca tcttgattc
 67501 tctgggtggg ccttatattc aataagaagt gttgtttatc aaaaaagaca gagggagatt
 67561 aacacacaca gatggaggga ggcaatgtga agacggaggc agagactgga gtgacgtggc
 67621 cacaagcca ggaatgccca tagccaggag aagctggaag aagcatggaa gcgttctagc
 67681 gttctctcct agggcctcca ggtggcgtgt gccttggtg acaccttgat ttcaaccttc
 67741 tggcctccaa aactgtgaga gaataaattt ctgtcatggt aagttgttgt gcaaacata
 67801 ggaaactaat acaaatatat gaattatatc tcaataaagt tcttattaaa aaaagactca
 67861 accttgtaat gaagggcaga tgacttgtag ttccagagca aagtgataaa tgtagtggtg
 67921 ctgtcaacac atggagaaga aatattaaac aggatgtaga ggcaggtggg atgaatgaaa
 67981 agtggatcac aataccccca tgcattgaggt gggagatgat gggacataat tccacgcctt

FIGURE 1 (continued)

68041 cgtaagtgt atttctctcac tatggagtgt tctttttgcc caccagcaa ataaccattc
 68101 atccttggag gcacaaactta aatgccacct cccatccctc tatagtgttg tctatgtact
 68161 ttgtcctgaa gctcttacta tgtttgtccc accctactgt aattaagtgt ctgtctttag
 68221 gcacttaaaa attttcatca atagaactag attgagtaac aaaaaatttt tcatcaatat
 68281 acctagaaca acggtcctca actgggggaa attttgcccc caaagaacat tttttgcaat
 68341 gtctggagac atgtttgtct gtcataactg cagaggacac tactgacatc aagtcagtaa
 68401 aagccaggga ttccattaaa caccgacaa tgcacaagac agcccttcaa atgtccaact
 68461 caaaatgcta acagtgtctga ggtgaaaaac tcttggaact tagaaaagca tctaatacac
 68521 aggagaatct catgaaatgt ttgtggggta aatcgatgaa tgaatggatg gcagatggat
 68581 gatgaatgaa tagcatggag ccttgggggt ttaaagcatg gctgcacagc agaatcacc
 68641 agaccctgat ctacagaaact gacttaaatg actgctgcca gaaccacccc ctagaatttg
 68701 acttaattca tctgggatgg aaccaagctg ctaatctgtt ttaaactctc ccaggtgatt
 68761 ctaacatgca gccagaggta agaggcagca ctggctaagg aacagactca gtatagctta
 68821 aatgccaggc cggctcaagg cagacggaag tagagagact gggcaatcaa aagtatgcaa
 68881 agcatagata gtccatact ggttatatgt gtctccaaac aaaatattaa cgaagaaaga
 68941 gtagagaact caaggagggt tcccagggca tgcttgcctc aagaggaagg ttgccccaaa
 69001 gaatgacaag atggatggct ggagagatca caagacaatg tggatgcagc agtatcttcg
 69061 ttaaaaagaa atttaagaag aaaaaagcag acattcagca gatgggaaaa aaggtacttt
 69121 ctgtacatta ttttactac caccatttat ttttgataat cctaaagtag aagtaagtag
 69181 taaaccattt agtccggagc ttctcactct gtaacatgca cacaaatcac ctgcggggta
 69241 tcttaaaatt caggctctga ttcagtaggt ctgcagtggg cctggcactc tacatttctt
 69301 tttgttgttg ttgttgccca ggctggagtg caatgtcatg atctcagttc accgcaacct
 69361 ccacctccc agttcaagcg atttctctgc ctacagctcc caagtagctg ggattatagg
 69421 catgcaccac catacccggc taattttgta tttttagtag agatgggggt tctcctgttt
 69481 ggttaggctt gtctcaaact cccaacctct ggtgatctgc ccgctgggc ctcccaaagt
 69541 gctgggatta caggcgtgag ccacagtgcc cggctgagac tctacatttc taacaagctt
 69601 ccagttgatg ctgacaccac tagtccatag acctagttta cagtcacaat agcggatctt
 69661 cagtaacttt ttactttacc caatttgaat gaagcaacag aaccagaagt ttccaataac
 69721 tgataaagtg ataaggacat tacaattaaa tatcaaaact ctcaagcatg cctttgttca
 69781 ttttatactg ctaaaatgat agagaaaatg atcaacagca aatatttata tgaaaagtct
 69841 acctcaagaa gaattaaaga aaattagttg aaagtaaatt gaagatgtaa attaaacaaa
 69901 tataaaacta ctatacacta aggttttata ttaaaaaatg aattcacatt agaaatttct
 69961 aatatggcat ctctgatatt ttgaccaa atactctgga agagcattgg tttgactaga
 70021 caaagggagg ttaagtcact aagggcattg agaagcaac gtgtagcctt ggaaaagtaa
 70081 ttttaacaaat agtaactatg aggtctgaag gcacaccctg tttgagacaa acagaaaact
 70141 attaaggcaa tgatgagtta aggacttccc taagagcaat ccaaaatatt ttaattggaa
 70201 aagatcagct aatagggtca ctgtttctag aatctcaccc ctctcctgca aaccagtaag
 70261 actatactat aacaaagaaa attttctcaa acaatctagt tcccttgaaa ctgttcaggt
 70321 ggtatgacta aggacatata ccaacacaca cccacttcaa accactgcaa cacccttacc
 70381 aaaagtcaat ctgcccggca ccaggcctca tccagcaagt tacaatcaat gggcaaaatt
 70441 tcagcctcaa gtatatccag atttatatagt cgtcattatt agtagaactt tttttttatc
 70501 tgaggatccc aataagataa catacttagc tttctttcat ctaaaactgaa atctatagtt
 70561 ctcaagtgtt cacagtgaaa tctgtctcct agcattaatt tagcagcctg gacattccat
 70621 cccaggaact ctgatttcag caagtctgga taggtccttg gacacagcta gaaaacaaac
 70681 aagcaaaaaa ctccccagat gatcttgata ctactgtgg ttaggaataa tgctctgcag
 70741 tttgtaacag ggcttctcaa actttattgc cgggaagtat caccagggat cttattaaaa
 70801 tgaaaaattct catgccttag gttgtgggtg ggcccttagg ggccctgcat ctctaacaag
 70861 ctcccagtggt ttggattgca ctacaagcag aggagactta caacatggaa tggaaattca
 70921 atgtctccaa aggaccaagc ccatgaagta gagagggcta ggtgggggct gtgtcctctt
 70981 ggagaataca catgccttct aaggggagca tctgctactc agctcccvg ggtgggtgga
 71041 gaacttgctg atttgtcaga aatgtcagaa atctagcctt ttatggaaaa atctcctgac
 71101 aatgttcaat gttaaacgcc atgtaagcca accaagtcca gtcccagagc taatcatttt
 71161 atttgaatgt tctcatttga tctcatttac aacctacag ggtattaagc catcttatat
 71221 gatagacaag gaaaccaagg tgtagaggag agagagagaa attaactaac ttacctaaaga

FIGURE 1 (continued)

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71281 tctccatcta gcagcagagc aaggattcaa acccaggtct tccctaccca gaacccatgt
71341 tcccaaccac taggccactt cccactgggtg ggtggtaggc caccctccct ctgctaattct
71401 aggttctagc ttgggattct gctacttact tggactccct taatttggtc ctttgagtaa
71461 ctaatctgct ctttggtttt atgttcacag tttcaattta gagtgaccaa ccattccagt
71521 ttgctagaga ctgaggattt cctggaacat ggaacattca atggtaaaac caggacactt
71581 ctgagcaatc caagacagtt ggccactata gttttcattt aggggtatta ttttaaaaag
71641 aaaacaaaac ttacatgact ctgtttgcat ttactatagg cttttaaact gacacacaat
71701 tgtacatata tatgggatac acagtgatat ttaatacat acaatgtcta gtggtcaaat
71761 caggtaaatt gcatacccat cactcattt atcaattctc tgtgttaaga acattcaaaa
71821 ccttctcttc tagctatctg aaaatatata ttattgttga ctatagtcac cctacagtgc
71881 tatagactat tagaacttat tctcctata aagctataat tttgtatcct ttaaccaata
71941 actccctatc ccttctccc tgctaactta tacaattttt caagaatact gttcactcaa
72001 caggttccaac gagaaattcc actttgtttt tcttaaagaa ttagtgcagt tctgtcccca
72061 ttttttactg cacaactgat tttgtgtcgg tttttgcoct attttactat gtttgttatt
72121 tgctaatacc atgttcatct ttattttatg aatttctggt aataattagc tcaaattgctt
72181 agtaggaagg gagaatacta tacaagcata ggtggctttt gctttgatta cctagaaagc
72241 aactcagtat tagataattt gattaaatac tagactaact cacagacctg atcctttttg
72301 cttcggaagt gccagtacat tcaggattgt ctctgagggt aagtgtgacc tgacaacact
72361 taatccccac tctcctcatg ctcccacaag gaggaacttg cagtgggaagc atcctggcct
72421 cacttcacac cctccacact gtccgtggga agctaagttt gggagatgaa atggcatgct
72481 cagctcagcc cctgcctcct caggagtcag ccccagctc ccacctgacc ctgctcccca
72541 aggtcccatg cttcgtcctc ccacctatt ggttttcat ggacaggtct ccacagatga
72601 tgccctgagat tttccatctc tgccagtgac tgggtgagta cgtttatttt aaaggcatag
72661 cattggaagc ctgtctggct gcccacccgg atcatgacaa tctctacat ttcattagca
72721 ataaagcgaa cctccttgat ctccatttgt cagaatctat ctctctctca gtcggttctg
72781 acctgggtgg ggaagagaag agtgctagtt atttgtcccg taaaacccca gtaactagt
72841 agtacaatgc tgaatttact gaaccttgta ttcaaaaatt caaataatac tggttaccat
72901 gaagcttaaa gcacaaacat tgataatgtg tttcacattg aaaattttta atacaactga
72961 taggcaaadc cttatttttc aataccacca tttaaattgg tcttcaaggt cactgagttt
73021 ggttttagtt ttgaagcctt atctgactct gccttttaga agcacaaattg aataagtgg
73081 aacagacctc agcacatcaa ggaaaagaca actacgtatc agtaatactt gctattgaaa
73141 gagaaaacaa taaatggctt ttcttatttt ctctctgtct gcttccagaa atctaataccg
73201 aatcacactc ttgtgtatct atttctgag aaggaggtag aacagaaatg taacagccaa
73261 acacgcagca actcctcatt agttatgtct tcaaagggct ttttgtcaag aaaactgaca
73321 cagcattcag ttttgatgca cacttttgta gaaagcacat aatggacaat ttagtatttt
73381 agaataaaat tgatcagcaa gctattttta taattataaa taatgaggtt agtaaaactc
73441 caacttcaga tattctaaca tgctcaaagt aataatgtaa gacctattcc ttagagctta
73501 ttatgtaata aacagaaagt aaaatatggt tcacatattc acacctaaga caccttaatc
73561 atagtcacag ggttaattgt tataattgca tattaacatt atctggtata atcagagcca
73621 tgttctatgt ctccatagct tctttccatt aagtcacatt aagttccaat tcattccatc
73681 ttgtcatgct ctacccagtg acagatatgc atcagtgtga ctcatgttca cataaaaaata
73741 aagtcataatc ttagcaaatc acttttctaa acccccctat atatggactc catgggaatg
73801 agatcccata cacaagaaat gattgcatcc aattttgtaa gtttgatttc agaagtcaga
73861 ggagattcag atactttcta ataaaaacac tttatccaaa aagaaggaca atatactca
73921 atttcagagt agaacaaagt tttcacagtt catttattaa atgaagatct ttggtgtgaa
73981 gaaagcaaac cacacccatc taactgaatt gcatttgtaa gtgaactctg ctgctaataa
74041 aaaacattac agctggaagt tctactcagg aagatggcag aatgggtgtt gctcagctcc
74101 cataccccca acaaaaatcc aaccaactat ttacagacaa gaatatcttc attaatactc
74161 ctgaactccc tgaacgtgaa aagctgagac acccccttgg accacataac tgaaaaaagc
74221 ctcatccaag gggtaagtgg aatagaggaa tggtttctact ttgaccacat caccactccc
74281 ccaaaccctg ccacacctca agccagcaca gcaccacaca cagaagattc cctggggccc
74341 agagtttcta cagtgggaaa agagagaggg aaacattcag cttccccaac attctggggc
74401 cctgagcagg aagccactc attattatct cccgggaaac actgggagta caggcagggc
74461 tagaccacct aggatcagcc agaaacaaag aacaaaagtg agactcacag aaacgagcac

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FIGURE 1 (continued)

74521	atggatcttg	cagtggctct	gcattctagc	caatggaggg	actccaccag	agaaactggc
74581	caacagcatt	agcactgtcc	tgcaggaagt	atagtcaact	gatctgccag	gcttcattcc
74641	ctagccagct	ccccaccta	gctctgggtg	tctccttaag	ccttccccag	gccaggcagc
74701	aagggcaggt	cagtgattac	ctaaggaggg	tagcaacggg	ccccacccaa	ccccagcagc
74761	caactagcct	aaccctacca	agccttcctg	ttctgcttaa	ggcttgccag	gctaggaggc
74821	aagtgcaggt	caatgaatga	atatctatgg	acaaaagtac	ctggccccac	ccaaccccag
74881	cagctgcatg	gtgacccac	aaagcctcag	tgctttgctt	aaggttcccc	tgagggaagc
74941	ctgcatccat	gtgtttctct	agacgatagc	ctggcccatc	ctgaatgggt	gagcacaaca
75001	gcagaaacct	caccagctcg	ctgagcccag	cacacagacc	tgcccagcta	cagattaaaa
75061	acagcagtac	ttcccagcca	gggaaaacaa	catgcaaccc	tgtgcaatca	gaggctatta
75121	caagagccag	ccagtagctc	caccttaact	gtggagtcca	gctagtgate	tgtctcatca
75181	gaccacagag	cacagccaga	agttccactt	gacctcaaag	aacagccagc	aggctggccc
75241	aacagcaaca	ccaacagcaa	ggtgtacctg	tctgggggtg	ttaccagctg	gcctatccat
75301	aatcaaatgc	taaaactaact	agtgaagggtc	taccactgtg	aaagaaaacc	ttcaaggcca
75361	aaagaggtgg	ccatttctct	aaatgtgtag	acaacaaggt	ttagaaagaa	tcagggaagt
75421	gtgacacaac	aaaaagaaac	taataaagcc	ccaataatgg	accctgaaaa	aaatgtagag
75481	ctatgaaaaa	agaatgaaga	aagcctacat	aaatctatgg	gacaccatca	agaaaactaa
75541	ctttcttata	ataaaattct	aagaaagata	tgataaagaa	aaaggcccag	aaaatatatt
75601	taagaaaata	tggtgaaag	tttccaaaat	ttgtggaaat	atgacaacat	ccaggtatag
75661	aaagctcaga	gatctccaat	taaattcaag	ccaaagatga	gtgcaccaag	acaaatcata
75721	atcaaactat	taaaaaacia	agacggctag	gogcagtggc	tcatgcctgt	aatcccagca
75781	ctttgggagg	tcgagggcgg	cagatcacga	tgtcagcctg	gccaatatgg	tgaaccccca
75841	tctctgctaa	aaatacaaaa	atgtgtgtgg	catgggtggg	cgtgcctgca	gtctcagcta
75901	ctcaggaggc	tgaggcagga	gaatcgcttg	aaccaggag	gcagaggctg	cagttagcca
75961	ggatcatgcc	actgcagtct	agtctgggtg	acagagcaag	actctgcctt	aaaataaaat
76021	taaattaaaa	ttaaaataaa	acaaagacaa	agaatcctga	aagcagtaag	agatcaggaa
76081	tgtataatat	tcaagggagt	cccaaacacg	caaccagcag	atctctcagc	agaatccctg
76141	caagccataa	aaggggtggga	taatataatc	aaagtgtaga	agaaaaacia	aactggcaac
76201	caagaatact	taactcagca	aagctattcc	tcagaaataa	gggataaata	aaaactttcc
76261	caaacaaaaca	aaaactaagt	aagtttatca	ccactaggcc	tgccaaacag	gaaatgctaa
76321	agggagctaa	gctgaaataa	aaggctccta	attgatacat	aaaacttata	aaagcaaaaa
76381	gcactaaatg	gtgtaagtaa	gacatagtca	tattcagaat	aatactgtaa	ggatgatgtg
76441	taaaggaatt	ttctctgtat	tatgagagtt	aaaaaacaaa	actattaaaa	acaaatgcag
76501	ctataataaa	ttgttaaagg	aatccaaatt	acaaaaagat	gtaaaattta	catctaaatc
76561	ataaaaagttg	tgggggggag	ggcggttaaag	tattgagatt	ttatatgtga	taaaagttat
76621	cagcttaaaa	tagcctgtta	taataagata	ttttgttggt	gttttttttt	atttttttaag
76681	gagatggagt	cttgctatat	tgcccaggca	gggctcaaac	tccttggctg	aagtgatctt
76741	cccacttcat	ccttccaagt	agatgggact	acaggtatgc	acaaccatgc	ccagcctgta
76801	caagatgttt	tatataaacc	tgatggtaaa	cacaaataaa	aacctgtaat	agttgcacaa
76861	aatataaaaag	gaaaagattc	aaagcatacc	atcacagaaa	attatcaaac	cacaaaggaa
76921	agtagcaaga	gaggaagaaa	gaaacaacag	ctctacaaaa	caaccagaag	caaattacaa
76981	aatggcagta	gcattgtcct	acctatcagc	aattaccttg	aatgtaaatg	gattaaagtc
77041	gctagtcaaa	acacatagag	tggctgaaatg	gggtgaaaaa	atagtaataa	aaggccaact
77101	atatgctacc	tgtgagagac	tcactttact	agtaagaaaa	tacatggaca	aagttagggg
77161	atggaaaagt	tactccatgc	aaatgaaaac	caaaagagag	cagggggttag	ctatacttat
77221	atcagacaaa	atagacttta	agtcaaaaagc	tacacaaaga	gacaaagaag	gtcattatat
77281	aatgataaag	ggatcatttc	attaagagga	cataattgta	aacatataca	caccaaacac
77341	tggaacacct	aaatacataa	agcaattatt	acatgatctg	agagatagac	tgcaatagta
77401	taagagtagg	ggacctcaat	acccactttt	caatgatgaa	gagatcatct	agacagaaaa
77461	tcaataagaa	aacattggac	ttgaattaca	ctttaaatca	aatggacctc	acattcatat
77521	acaaaacatc	acaccctaca	gcaagaaaat	acacattctt	ctcaagcaca	catgggacat
77581	tctccaggat	aggccacaaa	acaagtctta	atgaactcaa	gaggatttta	atcatatcaa
77641	gtatcttttc	tgatcacagt	ggcatgaaac	tagaaatcta	taacaagaaa	tcttggtgaa
77701	ttcacaaaata	tgtggaaatt	aaacaacatg	ctcctaaaca	aacaataggt	cagagggggg

FIGURE 1 (continued)

81001	ggtgggcaga	tcaagaggtg	agatcaagac	catcctggct	aacacagtga	aactccatct
81061	ctactaaaaa	tacaaaaaaa	aaaaaaaaaa	gtcaaactca	tggaaagtga	gagtagaatg
81121	gcagttacca	gtggctgggg	gatgaagagg	gggaaaaagg	gaatggagag	ttgttggcta
81181	aagggtacca	gttttcactt	aggaagaata	aattttgaga	tgaattgcac	agcagggtaa
81241	ctacagtcac	taatcacata	ttgtatgttt	caaaataact	aagagtaaata	ttcaagtgtc
81301	ttaccacaaa	aaaatggtaa	gtgaggtgat	agataatgta	aattagctta	atttactcat
81361	ctcacattgt	atacatatat	caaatcatca	tactttaccc	cacaaatgta	tataattatg
81421	ccaatctaaa	aaatattaat	ttaaaaatta	cagcttgcca	aatttcatgt	aagaaacaaa
81481	aaatccaaat	atttatatag	aatgtgtgac	ttacataaatt	cttaagcaac	attacactact
81541	ttcattggta	atgtaaagaa	taaatgtgaa	ccatatttttc	agtgttttat	tctaaaactg
81601	gttatacatt	taaattcttt	tattttattaa	acaggcactt	ggcttaaggc	agcacttttag
81661	acaccatgga	aaatgtaaca	atgaattgca	agatagagtc	tctgttttta	aaaatgttat
81721	gcagttttaa	ggaagagaag	gtgagtgtgt	atgtgatcct	ataggaaacc	aaagtgtctg
81781	gacattcaca	gaagacagaa	aacttaacag	aggggaccag	ggaaggctac	aatcagagag
81841	gataaggttg	gaattcaaat	accattgaag	gggtacctga	acatttctgg	gaagaagagg
81901	gcctgaacaa	cagcagaagc	taggaaatca	ccgaaatcat	tagaccagat	tagctacaca
81961	ctgaataaca	tttaggtgac	tacttagaga	ttgattagga	aaagaacttc	aggtcagatc
82021	atggagacac	tgaacaagtt	aaggaattct	gattttgatc	aacaggcatt	ggagagccat
82081	agaaggaagt	gtggttatca	aagctgtgct	ttaaggaaat	tcgttttagt	gttgtcaaca
82141	atggtaggaa	gagaagagag	acttgaggca	gggaggtctg	ggagaagggg	tatggcattg
82201	gtccagttga	agttgttaga	agagaaagga	agggatgggc	atgagagaca	ccgcaggaat
82261	agaacaaaca	acacctgaac	actggaagt	ggaagcaaga	aagagaagta	attcagtgat
82321	gactcagatt	ttgctcctgg	gtgactaagg	aaatgggaag	caaaaccgaa	atctgactca
82381	gttcagagtt	aatggattat	agatttaata	aggaatagat	taatagatag	aaatgtaata
82441	gccaatatat	tttagagtaa	tctacaatat	aggtaaaaat	tgaatctatt	taaatagatt
82501	accaatattg	tacacagatt	tctaacataa	ataattgaat	atttgtttgt	gtcgaaaact
82561	agttattgtt	gtatcctgta	ccatgaccat	tgaagatga	aacactagat	cgtgacgaaa
82621	cacctgagaa	cataggagtg	gctcaggaga	ggaggtttgc	atacagaaac	taataaacc
82681	acaatgagtt	acaagtttta	cattttaaat	tcattcctta	gaacaaat	tcactactaa
82741	agtttgaaaa	tactaaagtt	tgaagttgaa	atactaagca	aatctattca	aagtatttct
82801	ctccattcaa	actaatttct	cttttctgt	gaaaccaaca	ttattttctg	gatgacacaa
82861	ttaattacca	tcaagaataa	cgtatttcat	agagtactaa	cctcaacttt	gatttcataa
82921	gagcattggg	aaataggttt	tatgtttgca	tactcttatt	gacgctacct	gtgacttaca
82981	aacatacctt	cttaccgcac	tctaatttaa	accataatac	ctttatattg	aggtgctttt
83041	aagaattatt	taccaaaca	catgttcgcc	aagcctcacc	tgtatttgta	ttctctggag
83101	aactgagttt	cagatgtttg	tcttctgatg	aaaggctcac	actgatacca	tacagtggat
83161	catctaagaa	ggagggcctt	ttcagtcctc	caatgccaaag	agtcttcgac	ataaaaatagt
83221	cttttgtgtc	actaataata	acgtccttgg	aaaattgaag	gcatttcata	ttctctgctt
83281	cagtgaacaag	agcttctgac	atgttatgtc	cagtcaaggc	tttagtgaga	tagtagcctt
83341	tagaagcttc	acattcttca	ctctcaagca	tatctgcac	ttctacctca	gttttctgga
83401	cctttgtttc	tgattcattt	agcaattttg	agatgatgga	cctggaaagc	tgggggaaca
83461	caggtgttac	gtctcfaatg	tcttcttttt	ttctttctga	agaaagttaa	atgatggatt
83521	tttgtttaag	tatgcattca	tccagaagac	actttaactg	ttcttcagag	agacatgatg
83581	tggactctaa	ctgatgaaac	aaaccaaag	attacatagt	cagttgactg	agtaaacaca
83641	tttatttttg	gtaggcatcc	agtaatacaa	atataaatgc	aagtaacccc	ttacacaaca
83701	cataaaaaata	gaaaaataat	tcattgtaaa	gtatccaaaa	ctgtagggga	aatgtcataa
83761	tcctggcaaa	atctttgggt	ggtgtttctc	tgacccacc	catccctcag	catgaatccc
83821	accaccatcc	aattccttac	tgggaaaaaa	attggcatac	aaggcagact	accctacct
83881	ctggggattc	agcactccca	tgtctgtcca	caactatcag	tggacaatac	tgctgaagac
83941	agaaaaggaa	gggtgaagg	tgggtgcatcc	tgcaatgtgt	cgttgctgca	aagctacagg
84001	tctaggcaga	ggccaggggc	attccagagg	cgggtgattt	ggggagaatg	atttgatcat
84061	gcataacttaa	tctctgcttg	taaagggttac	caggggctaag	tgtttcaacc	aagaccttaa
84121	atatttataaa	acattttttt	tctttcagca	atattctcag	gaaataaatt	tttaaaaatc
84181	aaatgaaagt	agagagccat	gtcccacaag	acttcagctg	aataccataa	catttgagtt

FIGURE 1 (continued)

84241 gcaacaatct caaaaaggaa tgagattaaa atatagtga acacactgaa aaaaaaatgt
 84301 ctacttcccc aaaaaatcag tgtcttccat ggtttacatg tggattatct agggaaaagac
 84361 taatcctcct ttacaggggg atgaattatc tgagaacaag aagtccccat aagaaaactt
 84421 aatcatgaat ttcaatgact ttaatttcta cttcagcaaa gtaaaataat gttattggcc
 84481 tactctgaag gtacatagta aaaaataact aaatattctg catatgtaaa gtactgaaat
 84541 aaaaagctat tactgatact agtatagtta attctccact attaggtaaa gcttctaattg
 84601 caactaataa atactaatat gtaaaacaat tttgtgccat gtttaaaaaa tattgtttta
 84661 aattatgttt aacttaccta tattaaaaact agtttttaca gtggcaagtg tcactatgag
 84721 tatgaggata ataagaaatt gtctggaaat atattcttag taattatttg gaattcaaaa
 84781 ttcaggtgac tgaccctaag gttaatatac atgtcaagaa ataggatttg agatttggaa
 84841 ttcaaaattc aggtgactga ccctaaggtt aatatatatg gcaagaaata ggattagaat
 84901 tatgtattag caaattctac ttttagtcac taggcatttc aggaatccag atatagtatt
 84961 ttatccatct gtatccagaa tcaggagcat tatctccacc ctactatgga aacctagtca
 85021 agtagaaaaat gaaggaagtc cttctatgac attagatacc taaaacacac ttccaaactt
 85081 tgcttatgta aaattacata taatgtgtag acaattccct acgatttaga aagagccgcg
 85141 tgagtgtcat ccttaccaaa catcctcatc aaagccttat tatgatgaaa tttttagaca
 85201 ctagaaaaaa aatcagttca tattagagca ggaggaggtc tctagggaaa aaagggtagg
 85261 agggaggatt ggtagattat ccaatatgct tgaccatttc caaaagtaat attgatatga
 85321 tagatgtttg gcagttctga tgatgtattt ggctaaatac acagaaaatg aagcagaagg
 85381 aaaatcaaaag caattatgaa ctctggggaa aacaaaaagt tttacaaaaa aaaggaaaag
 85441 cagtgcacata tacacagaaa attaggcaaa agaaactaag ataattatga agtctaggac
 85501 aaacaaaaag ttacatgaga aaggatgcca taggctaata attgcttctg ctgtgaataa
 85561 tatttacaca gtcaatgata atataaatat tgatgactaa ggtaagcaaa aattgtgact
 85621 taactatttt ggggaaatgt gacgagaaac aaggggtgtt tgcactttat tagttaaatt
 85681 attgcctacc attacagcaa cccaatatat aatgtctaaa actaatcaat taagaaagta
 85741 agttattaat aaataatata gaggtaaaat taggaaaaac acaaaagatt taaaagcagt
 85801 taactggaga aaatatcaag gggtagggaa ggctgaggca aggggctgcc atttttattt
 85861 aaaacatttt aacacaattt tttctttatt actataacaa aagttaaaat taaataaaa
 85921 aataaaaagta atttaaatgt attctttttt ttttgacatg gagtcttgct ctgtcgcgca
 85981 ggctggagtg cagtggcgca atcgtggctc actgcaacct ctgcttctg ggttcaagcg
 86041 agtctcgtgt ctcagcctcc ccggtagctg gaattatagg caccaccacc cacacctggc
 86101 taatatatat atatatatat ttatattttt agtggagaca gggttttacc atgttggtca
 86161 ggctggtctt gaacttctga cctcaagtga tccaccacc tggcctccc aaattgttaa
 86221 gattacaggc gtgagccacc atgccagcc caaatttttt aataaaaaatg cacttagaaa
 86281 taaaatttaa aatattttaa tgaaattccc aggtgattgt atgtttggac atcagaagct
 86341 gacccatgtt tcacagagcc agaaatttat ataacttga agcaagagaa gggcatttct
 86401 taaaaaaaaa aaaaaaaaaa acaaaattac aaattcaaaa ttaggtacaa aagcgagttt
 86461 cttttatttt agaattgtga aaagatcaca acaaattact ggggtcttgg ggagggttga
 86521 gtccatttct tacagtatct ctttaggtca ttgaccagac gtgcttacag aaatgtttgc
 86581 tgattgcaac ctggcttctt cttcccacc caaagctcct ataagtgaga ggccctgagc
 86641 tgaattctca ctggcttcat ggtaaattgc ttctgggcac tatgagataa aacattacac
 86701 atttcagctt gtgtgtacac agaaataagc tggactacaa ttaccctgat cctcctgggg
 86761 gaagcagctg gataggaaag aaaacacaga agactagaac ctgggcttct atccaagctt
 86821 tgctgccttg agcatgtcac ctgagttctc aggggctcat ctctttatc tgtaaaatga
 86881 ggaacttttag aagataatct ctacattaaa ttctaactct aaaattgctt tttatgaaca
 86941 actacactaa aaataaaaaa aaatttttaa ataaactttt ctactcactt tagagtgtag
 87001 cctgggtaga gttatgaaaa caaaataata gcaaaaagag aacttttatt tatttagctc
 87061 cttcacaata tcaatccga actcttataa aataactaaa aattctctgg cctcaaaaata
 87121 taagtaagag caaatgaaat acattaagcc ctcaaattaa ttttaatttgc ttctgggtgc
 87181 aatacagatt ggaaacttca acacgacca tctttctcat cttttgatcc ccagcagagt
 87241 cttgccaca gtcaaagctc agtcaatgac tatcatgaga attgaatgat tagagtgtct
 87301 aaaccatttt ttaaggcact atattgatat aattttattt caaatactga actgaactaa
 87361 actagggtct catcacaac atccctaact gccctcaata gtttaaggaa catctaacc
 87421 acagcctttt tccagattgc tctcaaaaat tctgagctaa taagcaccat aactgaacca

FIGURE 1 (continued)

87481	ctcactgtgc	aggcactgtc	aagtaaccat	ctgttcaagt	attcacctca	aagtattcat
87541	ctttcgtgcc	agctctaatt	tcccagtatt	ccataaacia	gttattatcc	atactattcc
87601	tatccttcat	aaaactcaac	atagtgcac	tcagtcctca	tttttccagg	ccagaaccca
87661	atctcttttc	actctgtata	tgaaagcccc	tctcttccca	ccttcatttt	agtagctctt
87721	ttatgaatct	tctttctcgt	ttcagccaat	acacacacat	ttcatagtaa	aagagtaaat
87781	ctattggatt	tttcatcagg	aaaagaatag	aatacacatg	cagtttttagt	tctgctgcat
87841	cttgcacctg	gttggcacac	taggttatgt	cttacagaat	aataataaat	aggtagcatt
87901	cactaagcag	actagactct	gctctaggca	taatacatgt	attgattcct	ttatttttgc
87961	aataaaccta	ttaggtagaa	actattgtta	tttccacttt	gcagatgaag	aaactgaagc
88021	actaagaaat	gaagtaacct	ctccaagggt	atatagcttc	taaaccgtgg	acttgaaatt
88081	tgaatccagg	tagtctgggt	ccagaacctc	agtgtctagc	cacatggcta	cactgccact
88141	cgctgtaaat	gagttctccc	tctaccaccc	tccaagtgtc	cttttcccaa	ctgctgctca
88201	ttttctgtgc	cattctatca	gatacagaaa	ctctccccgc	agaacagttt	acttaacttg
88261	ggactttatt	gccagatttg	gcttttgtgt	gtacgtttta	tgcaaatgta	cacagtgtat
88321	gttttatgca	aacatatata	gtgcctctct	ttttagctca	ttaaaaaaaa	aaaccagacc
88381	acagctccat	tcccaggata	cccactgttt	acacatctcc	accagataaa	atgccagttt
88441	gatgtagaag	ctaaatttga	tgaggaaatg	aacttgtaat	tgctggagat	ggaacacaga
88501	ctgtgggatta	cctcactctc	atccctgccc	cacctcctat	gctatatatc	cggagtttct
88561	ccagccataa	aaatctccag	tttaattgggc	aatggatttc	ttgacaaggc	aatcaagatt
88621	atgtccctgg	tgagataaat	cagaaagtct	accattata	aaccagcaga	agcaatcttg
88681	tcctttgatg	taagcttact	tgggtgtttt	tttatttccc	ccaaacagca	ctcctaaaga
88741	cccacctat	gaaaccaata	ccattatcac	aagtgaagaa	aggggtggaa	gctagaatgt
88801	tctaaatgat	taacaaggag	aatatggatg	tacacagatt	ttaatgacac	ctagttctac
88861	ttccaaataa	gcaactaaaa	aacattccac	cgtttgctta	atgacgaaga	tataagttta
88921	tagctctcta	ttgcaaccac	tactggcaac	acctccgtag	tagtctattt	tagtcaagggt
88981	tttttggtta	taaggaacag	aaacccttat	gtcaaaaaaa	gaggtggtag	ggttgaggtt
89041	tgctgtaaga	tcaaagaagt	catttcatgg	acaacgacaa	gcaggaaata	agagtataga
89101	ctggcctttc	agagtctaga	gctgagaaac	caccaggcac	cagtcattgt	ccccatctgt
89161	ctttctgggt	ccatgtctac	tcttcaactc	ctgectgect	gatgcatect	cttctctgca
89221	aaccagcttt	ctctgcttat	tgatggtttc	tgctttctca	caacctcagc	ttgectatgt
89281	agcatgaact	gactctgtaa	gagtatcaca	cccaccaaca	actgactatg	tccttttagct
89341	ctctatatcc	ttttgcttaa	attttcaagc	aagataacct	ggttggtcac	tggccagggtt
89401	gatggactgc	ctgtgtcagg	ttcaagtgtc	caccactggt	ccaaacatct	gaactagagg
89461	tcacatggta	gaaacacaa	catccaagcc	caagggtttg	gcagggtctg	gggttaagggt
89521	atttcccaaa	caagaaggta	tcaacagaac	agggattcaa	aaatatcata	tttttgaaact
89581	ataattacta	tgaagtacgt	aaccatcaga	aggaacctgc	cacttaattt	agttctatag
89641	tcaactacaa	gattaatgat	ggaagtgttt	ccaaacttca	ctgatctcat	taaatctggg
89701	tactcactga	agagttattt	gagatataaa	tgtagaacta	gttgctcagaa	aatacctacc
89761	tgtgcataga	aaaataaagg	cactccagtt	aggctacaga	acagcactat	cgagtctgaa
89821	tgctcacaa	aggctcacat	cacttgctat	agctcttttg	gattaaacac	atctaaaaat
89881	caagggggaa	aaataattgg	tgttcatttt	aatgtctgta	tcaatggcgc	taaggattca
89941	taggagaaaa	gggcttggtt	ttccttccct	tcctagctcc	ttccctccct	ttccattct
90001	cccaccttcc	tctcttacac	tgaggctacc	ccaatcatat	aaaggcaagt	ccggcagggt
90061	gactgctctt	aagaagccaa	accaaggaca	aagggtcctg	ggggccaggg	acaatctggc
90121	atatttttca	ccagaatagt	cagaggctgt	ctggccagaa	gagaatctga	actctagtea
90181	aaaagggaagc	aaatatcatt	gccagagaaa	ctatgtaaac	caccatcaag	agtgaagggtt
90241	gaggcaaggc	gttaaaccag	aaagttagtc	agctcccagg	tcagcagcca	ggaggctcag
90301	tggacagaa	aatactgagt	gtgaagtagg	tcacggcaaa	cagctctgaa	gcgaggctcat
90361	gaacgttgtg	gtggtgtggg	aagccctttt	tatgtggggc	ctggcatggc	aaagtcaccg
90421	tgacagaatca	gacccccacc	atgectaggc	tacccatctt	cccaaacag	ccgggtgagg
90481	cagggtctgc	cttatgggtt	tgectggtga	gaggctgctg	tggcctggg	cattctgtga
90541	tggctcgtct	cccgtggccc	aggtgcccgg	gctggctcca	tggcttcaag	gatccaaagt
90601	ttctgtttct	atgtaccaga	atgagagagg	tgggtgtcca	gcgggacccc	agtgtgtaag
90661	ttagggatga	gcattggatc	agggagctag	aagcaggagg	taggattctc	aagtcctact

FIGURE 1 (continued)

90721 atttgaaaaa gggctagaaa catggcttgc cggggacata agcagaaaag tgtggaggtg
 90781 ctccggcagga gagccagact gtgctttcta acaggggtgac tttgctttct aacaggggtga
 90841 ctggtgaaaa tggactctta tgttttcatt ttgtgggaca attaccattt gaggattgcc
 90901 aacagtagct gttttctagc agtagagaca gcaagtccac ttggatcaga tgccctttgt
 90961 tctgagcaag tcgccggaat ggccctgtta tcacatgtct atcacttctt tccccgaaa
 91021 aagtctgggg cccagctcta cagctggagg gggcctggca cctctgcccc aaactcccag
 91081 ctaaaaaagc ctggccagga gatgaggtgc acagatttgc ataaagagcc taaaaagggg
 91141 cccttgattg agtagttctc atgctccgag ggaactggaa cctactccac ccctactcc
 91201 gggaagtaga tccagtttgt tacttttagag cagctagctc ccactgcttg gcaagactgt
 91261 ttattggcta ttattagtta tgagtatcat ttgcatgggt gaaggccttc tgtactctca
 91321 gtttgatgat gcctattttt actgtgtaga gataagttgg gtcaaggaa gttgtgatgg
 91381 ggtcagtagt caaggaggcc attagctatt taaatacctt aacctccaat ggatccagat
 91441 taaacctcac cctcttgacg gaaatcagct gatagatgag tcacattgga gaaatctggt
 91501 ataaatgaaa cctaaagaac ttatgtatgc ccacaggagt ctctagaact ttaaatactt
 91561 tgcttgatat catctaaact tcacaattga agagaaggta tcctcagaac tctgtctctg
 91621 ggatcttcaa catgtgtctt ctgtgttgga ctggcctgaa gatggagggtg ctgtgtctgt
 91681 aaaggatctt cccaaacagg ggttcattta aggccaggctc aggggaggtg atccaaaacc
 91741 ctccaccttg tactggtgct gaaagaagggt ggagatgtgg catggcctgg aaggtagtac
 91801 ctggccttgc acagtctgcc cgtaggctcag cgatatgtgt tggtctctgtg tccccaccca
 91861 aatcttatct caaattgtaa tcctcatgtg ctgagggagg gatctagtgg gatcagaattg
 91921 gaacacaggg gtggtttccc ccatgctgtt cttgtgatag tgagaaagtt ctccacaagt
 91981 ctgatgggtt taaaagtgc agtttcccc gtgtgctctc tctcttgcct gctgccatgt
 92041 aagatgtgcc tctgccttcc gccatgatcc taagtttctt aaggcctccc cagccattcg
 92101 gaactgggag tcaattaaac ctcttttctt tataaattac gtagtatttt tacagcagtg
 92161 tgaaaatgga tgaatacagt tagacaaggc ttcagggtacc aggacttctg ctttccagag
 92221 acatgagccc ttaatacttg atcagtgcc cgatcaccag cagctcctct gcctcttatt
 92281 gtgagaagca tctcactagt gtagcactat ctggaccctt cccctccac cccaatcaca
 92341 gagaacactc agctaggccc caccatata agagagaccc ctcaaaaaga tgctcaaccc
 92401 tgggaactgg aaaagaaaac tgagtatttc cttacatgcc caagaagttt cccagcagca
 92461 tacacaagtc aaacggccag gctgcaactga cattacactg ctcaacgtga ctggattcag
 92521 attacccatc atccagacct gtgcaactgc ctgctgcagg gctgagcact tgctgctgc
 92581 caggctgagc agatctaaca tggcctgtgc tgctctcaca ggtgtagacc tggatgtcac
 92641 ttctgatgcc actgccatgg cccctcaagt caccatggg tacagcaagc cctcttggc
 92701 tccttcccag gatttcttgt ctattgctga tgagggtgga gttgctaata cagtgtggga
 92761 tgatcagctg gccacttcta ggcttgtaaa aaccagaagt gcaagagaat tcatgcccc
 92821 tggggcagac tttgaccaag gggagaggga aggcagtga ggagttactt tccccagaa
 92881 agactccctg aagtgcagtc acccacatgg cagctctctg catatgtccc acaagtcacc
 92941 cacatgggat ctctctgcat atgtcccaca agtcacccac atggcatctc tctgcatgtg
 93001 tcccacaagt caccacatg gcatctctct gcatatgtcc cacaagatca atcagctgta
 93061 cttgctagca agcagtagtc aggtcaatga tacagctctt atatttactc tctttctttg
 93121 cttcacttct cttgttcccc acttctgttt ctctgggtgat gctttcacta atgaagcagc
 93181 agcaatatac ttttgctcca ggccccactg ctccacacta agacacaata agcaacagct
 93241 tccaagtcag ggctgggcag ggctctgaag ggcaactcga accaaaccaa acagcgtggg
 93301 cctggaagca cagggttagc agctccaacc agcctctgca gaactgtcaac aaggctcaca
 93361 tgctggcact ggctgggtgc aggtactgca gggttatggc caacactgtc aacgccatag
 93421 gagataggag gcaaagtgat gcttcaggat ccttggggct catggattaa taggtggttt
 93481 ctactggcat atctgggacg agagcagcag agtactgtcc aagaaggcaa gagtcaaagg
 93541 agaaaatcct ttggaggcct tagggcagcc agaggcagca ccactagagg
 93601 gagaatatga attggagcca gggagagaaa gccaaaggta cagcttaggt tggagtgtcg
 93661 agataaacag aaagaatgac aagcatgagg tataaaagag gtcacggcat gttgttcagt
 93721 gccaatgcat gtccactgcg aagacgtagg aggcctgctt tcattctgga tgggcagagt
 93781 gtaagaccag gccagggggc taaaaggagt gaggcaggag aagaccctaa aagccactga
 93841 ggaatcaaaa tgaggtgcga ggtgagccat gcacatgtgt gacattcctt cacatcttag
 93901 acgcatctcc agcacccat cttaagtta tttcctcgtg gcattttata ctccatttgg

FIGURE 1 (continued)

93961 gaaagcctct caagttaagt gttccttcag cttgcaaact ctctctctga aagcaataga
 94021 aagccccaga gggagaggaa atacccttac caacagcaga agtttagcagg gggaggctga
 94081 catttctaac ttagattcc ggctctctca ttccccagct gtttggtatt gggcaaataca
 94141 cttaaccttt caaagtctca gatttctagt cagtagagta aaaataactaa caactagctg
 94201 actccaaaca actagttggg aggaatacta acaagcaaca atttgcaata gcatgaaata
 94261 cctgcgtgaa gctgcgagga ccatgcctga tgcagacgag gcaggagctc aatcaatgct
 94321 ggaacatcaa tagcaaatct cagcttccgt ctggaagctg gcagcagcag cagcagccag
 94381 atggcctctc ttggaagctg tacactgaag cctgtacttt ccaagttcaa ctggccccta
 94441 cttttgaaga tctctcttgg ataccaggaa tggagcttta tggacgatct cacaactagc
 94501 aattcacaaat gagtaagctg tcatgtgtac tcttgtagat tccctggcgt ggggaggggg
 94561 tgcacacagag gccatgagat gctgggagag ggcacccaag aggtaaagat tggcatgtga
 94621 ttctctatca tctatcatcg cctcgggaag gtttacactt caaggctgac actattaagt
 94681 cttcagcatc agaaagtact gtatgcagta accacaaaagt aaccagaaaag gggctggctt
 94741 ctagatactt ttacatttgg ttaaaataat cccagtcagg gcaccagggt agtctcttca
 94801 agcgcagggc tgaagctaag ccaggttcat cccatgttcc acgcacaggg gcacgtgcc
 94861 cattagtcag ttttctctt actcctcagg ctgcccctca gccctctctg cctgcgcaca
 94921 cctcctcag gaagcaaact ctatttcaaa tgtttactca tttcctgttg cctcacatc
 94981 aaatcctgag gtgtgcttcc tcatctactgt cctgagctc aagcaatcta ggtcaatgta
 95041 caactctctc aaggaacaaa ctacatttt ataggagcct cgttgaatca gaatgactta
 95101 acctgaagag gtgattctaa gaatagaatc caagcccat agctggatga tagaaagata
 95161 tttgaaagat atcactttga gcaccctcaa atcaggccac actgggcaaa gttaggccta
 95221 gtctggttcg acaaatggtc agtccctgaca aatttcatca gatctgattt tccctctggg
 95281 tataaatcta gtgccatata gttaactcca catttaactt gttaatcaca gagagctttt
 95341 tctggtcaca aatgggtgac ttgtagcatt tcccagggtt gagcaagtgc tccctgaagct
 95401 ctgcctgtgc tagacacgta tctgaaatat ctaattaccc ctgtacattc tgtagagcac
 95461 acaaagccca acgtcattac ataaacatga agtcccatat taatatattt gctcagtga
 95521 ctgtcctttt acatttgcca atctgaacgt gaaatcatgc tactgctgag aataaggata
 95581 ctatatgtg aataagaagt tccaagttgt gctatgatcc aaattatgaa agttaaatta
 95641 tctagagagc aaacccaaaa agctgtgtag tgaactgaat ccaaattcag aagaatctaa
 95701 atagcttgat gcataccctc tcttaaataga cacattttaa tagtttccct ttcacacaga
 95761 gcaagaaact ttaagaaaga gatgaatccg tccacctccc tccctgtcag cgggtccctt
 95821 attaggtggg tatccagacc agcccaggctc attagtcagt tgcactgggg gtggggcatg
 95881 gagggaacag ggctgatagc cctggaccat ctactatgca ccacatacag tattttattc
 95941 atttacctct tccaactacc tagtggggaa aattggaaaa tcattctcca cattgaacag
 96001 ataaggaaac taagcctcag agaaattgaa tgggtccaggg cccagaacta ataaaaaaaa
 96061 tgaagccaga ctataaagtt agggcctttt cacactaatt gtcttcagac agatgcttac
 96121 aagagttagt taaactcctt tttcgagggg gagcacctgg cagcagcatg gtaccataac
 96181 atgccccctc cacactctat ccggcatctg aaaatgtgat accacagagc agcctagtaa
 96241 ggggagcccc tctcaactca taaatctgag gcaagtgtat aaacaagaat cctcaccag
 96301 tgggtggcgg ctgccctctg tgtctcccaa acctggggca tcaggctgtg ccatcccagt
 96361 accctctgca tctactttcc ctgctggatg taagctcctc gggctggcac caggtcctcc
 96421 tcatctctgt gttcccatac ctagcacaga gcttggtat aagatgcaca catggcaaa
 96481 ctttgttgac tacatgatgc tttctttggg tgcctccca cctctgcag tgacatgca
 96541 cccctaaaaa ctcatgtctc ttagtctgtc ccttactga ccagtgggtc taggccatgg
 96601 cccatcctag gcccaactcc tcttctctcc ccgatgtctt gttccttcca gagegcgcac
 96661 tccccacatg actttgtatg acaatggttt aagcaattaa tgaacctttg tttatgattt
 96721 gggcacagca gatagcaatg ctttaactcc tggagagctc cccaatgtga gaaacctcag
 96781 atcccagcaa gggcagacag acagacaaac tgggtgaaag gaaggggtgt gaaagtattc
 96841 tccatatcac cctgtatagg caatgactca cccacctac aggcagaggc gaagtaacga
 96901 agacacctct tcccagactt catgtccact caccatggaa aaaatgcttc agatttgcaa
 96961 aaatgcccaa gcgtaataaa aagcctgcat tctgggccta ctgctgtgat attcactaca
 97021 agtctgacat agaggtttaa tttggtctgc tgtgaaaata gaactgaata ataatacag
 97081 tctttgattg tggtaggtt taattataga aacctattca agtacatata tattaataga
 97141 aagcctcaca aacatggcag aaaaccattt ctgttcataa gtatttacag ggaaagctct

FIGURE 1 (continued)

97201 ccttattttac tttattttaaa taaatatttcc aaatcagcaa accaaaaaag agcccccatc
 97261 tttcatgtga acatttttcta atcatgtcat gttaatattt tctcctttga tttccaatga
 97321 gctagcacia gctctggcct ctgcactaga tgggtgggtgt gagtcactta tttagaatgg
 97381 aattatggat tatataaaga ctgacgagta caatagatgt tcaatgtgggt ggttgtcgga
 97441 aacatcacct aattaaatat gctaaaatat tttggctgaa aatttgtttt aaatcttcaa
 97501 attttttatac cttctgattt tctttgttgt tgttgttgtt gagacaggggt ccgactctgt
 97561 caccagggct ggagtgcagt ggctcaatct tggctcacta caatctccac ctgctgggct
 97621 caagttattc tcccacctag cctcccaagt agctgggact acagatacgc accaccatgc
 97681 cgggctaatt ttttaatttt tttgtagaga tgaggttttg ccatgttgcc caagctggtc
 97741 ttgaactcct gagctcaagc aatcctccca cctcagcctc tccaaagtgc tgggattaca
 97801 ggcgtgagcc actgcgcccg gcaacttctg attttgtaat atagaaataa ctgtcttggc
 97861 caggcatgggt ggctcaagcc tgtgatccca gcactttggg aggcggagga ggggtggatca
 97921 cgaggtcagg agatcgagac catcctgggtc aacatgggtgc aactctgtgt ctactaaaaa
 97981 tacaaaactt agctgggcat ggtgacgtgt gctgtaatc ccagctactc aggagtctga
 98041 ggcaggagaa tcgcttgaac cagggagtca gaggttgagc tgagccgaga tgggccactg
 98101 cactccaacc tgggtgacaga gtgagactct gtctcaaaaa aaaataaata aataactgtc
 98161 tttggaagtc agacaaaata atgagcagcc tttatttctt tttaatctaa tttcaaatta
 98221 atgttttaac ttcaagtagg cagggcaaaa acacaatttc tctcaaatcg ggtaataaga
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 98341 ggactcagaa ttgtacttcc ctttgcctaga cataaatttc actcctataa ttatcatttt
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 98521 cccctcccggt gttcaaccat tctcctacct cagcatccca agtagctggg actataggca
 98581 cgcaccattg cgtccagcta atttttgtat ttttagtaga gacgggggtt caccatgttg
 98641 gccaggatgg tctcgatctc ctcacctcgc aatctgcctg cctctgcctc ccaaagtgtc
 98701 gggattacag gtgtgagcca ctgcatcggg cctggctata ctttttaaat gtccaaacaa
 98761 ttaattaact taatctagtt ttttttattc gtaaaatgca tttcttaact gaattcaaca
 98821 gttaattaag ccagggtgact tcttcatgac tgaccggtta aaatcaattt tgcatttata
 98881 aattaccatg aacctattaa tgcacagtat aattactgta ttataactaa cttctacact
 98941 aaaacttgca atatggactg tgaagccagt ggagaggaaa atcttttagac gtagttaatt
 99001 gaataaatat ataaatttga agattcatta gggattttaa cattccgttt caaaactgaa
 99061 gccatcacat actattattc taattttatt caacctatag ttcattttta agtgctaaat
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 99181 ttgctgtcat acacactgga caatagggtga aaaaactcca acagcagagt aaaccaacaa
 99241 cattcctaaa cgatctaaag attctcacag cctccaaatt tgcagataca gaaacttaca
 99301 tataggccct cagttcttcc acaagctcca ccacctatct accagcact gtaccagtg
 99361 cccaccatc cctcatgtca ctaaaaggac tccctgtgtc cctcttgatg gctgtccctt
 99421 ctacctgcac acaagagacc acctgtgtct gctactcaa ggtcactgct ttggcaatct
 99481 cccactctc ttttgcgtca ctgctttccc cctctctact ggatttttcc catgagtata
 99541 caaaaagctg ctattctcca atattaagga aaagccctct tttgatcccg ttcctctctc
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 99661 tactatcacc aaatccctct ccttctattg tctcttaaac tcaacccaaa cagggttttag
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 99781 cagctgttca ttctcagtct ccatcttact ggacctctca gcaactgtata acacagctga
 99841 acactcttca tctggcaaca cctggataga gcatattata catttcataa ctcagcccta
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 100261 gcagacaaaa tggtaacaca gagccaaaaa gaagatagag gcctaaaagc aaggcaatga
 100321 agttattctg ctgcccctat gaggtacaag caaactgttt attctctgct tatgtgctt
 100381 tagtaaaaaa agcatttggg ctgggtgcgg tagctcacgc ctgtaatccc agcaactttg

FIGURE 1 (continued)

100441 gaagccgagg cgggcggatc acaagggtcag aagattgaaa ccatcctggc caacatggtg
 100501 aaaccccttc tctactaaaa atacaaaaat tagctggagc atggtggtgc atgcctataa
 100561 tcccagctac ttgggaggct gaggcaggag aatcgcttga accagggagt cggagggttg
 100621 agtgagctga gatcatgcca ctgcactcca tcctggcgac agagagagac tctgtctcaa
 100681 aaaaaaaaaa aatccatttg ccagatagat acatgcatac caaagatcaa ggcattgtatt
 100741 gagttactag aaactttatc ctgaagagga cacatgttcc agtaatctct ccatattttcc
 100801 atttcccca tttactctagt aagtacactc tttcaaaggg cggatctag caagtctctg
 100861 accttagttc catgtaaggg atgttgggct tatgaactga cctgtctggg aacaatcgga
 100921 tgggggctat gatttcttat tgtaataagc taaatcaagc ctccatttgc cagaagaccc
 100981 agagtttttt gggtgtaaaa atcagggtggc atagctaagc acctatgcac ttcagtcaca
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 102001 ccagagtccc actctttctc taaataccca aaccaaatac caaaataagg gacctagctg
 102061 tgaattcaaa tgacatcctt agttgacaac ttgcattact gcatttgggt tttgactttt
 102121 taacctgaa agagttacaa aataaatttg taatatttat atatagtaca aaagagattc
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 102241 gaatctgagc ttatattccc tttctttaag ctgtctgcca ccgttacatg cagccatcac
 102301 accagcccag tttttcaagt cctcattcct atgcaattgt tgcattggaag tccctgcttg
 102361 gtteccaaaa ggttttcttt caattagcaa ctcatctag aagttcacag atgatttatt
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 102661 tgaaacgatg gtggatattc ccacataatc attgagaagg ctatggaagg tactggaaaa
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 103141 gaaaaaaaaa aagacaaata ccctgtagg tatcttcttg gtattttggg gaagcatcat
 103201 tacagaaaaa gaagatgaat ttttatgtga gccaaagttg gaaaattttc atgctaaggg
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 103441 tcaataaggc tgattcagaa aaagtattta taatatctgt taggatttcc caagaatatt
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 103561 tcaaagaaca gaaaaattct tataataacc tgatttcaca ctccccgtta agcatgttta
 103621 gagtacatta tagcaaaagc tgtaaagca atctgcctc caaaaagtgc aactaagagg

FIGURE 1 (continued)

103681	agagccaatg	gagcaacact	ggagaaccag	aaattcaatt	ctaggagaat	gacaggagat
103741	atgtgagtgg	tcagaggaat	tagtgagtac	tcagtgattt	tagacgcttt	gccattgggtg
103801	aggagcaggg	aagttctttc	tccttggttaa	aaaagaggat	ctggaagcta	tagaaacaca
103861	cggcgatttc	tcattcttaag	caggtatgta	gtcttctctc	ttgctacaat	cttcagagta
103921	ttatataagt	attttaattt	atccatttgt	taacatttgg	atatatgcat	ccatttcaact
103981	gtgtgtgttt	tgacaacatc	tagaagacaa	ataacttaac	aaaatgtgct	tagatggggcc
104041	ataaggaaga	gtgaaaaaga	agaaagggga	aaagaaggta	ataacaagga	ggcaaacagg
104101	gaaccaaaga	gactatacta	ttttcctatt	tcatgcacat	gtgggtgctg	gtgtgggtgc
104161	atgtgtgtgt	gcgcgtgtgt	gtgtgcatgt	gtgtgtgtgg	tgggggggtgg	ttttgcctag
104221	caaatttgct	ccatttcaat	agaaacttta	aacttcaaaa	ttcctttttt	tcttattgct
104281	aagtataaaa	gctaatactt	atttaagacc	cagtgcctta	tattaagaaa	aatataaagg
104341	tatacattta	gatttgaaat	gtagtctatg	atatacgaga	tatatcatga	aatcagaagt
104401	aatactaaaa	gcaataaaaag	aaaacaaaaga	gaaaaaagag	caaagggctt	ttacatagag
104461	gttaaaaatt	tactgaattc	tcttggttcc	caactaacac	caaagacca	agttcaccat
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104581	gagtccagag	gaatttaaga	gaaatgactg	agcactggag	gtgatgaagc	agaagcagca
104641	ttttccttgt	tcctctgact	accttttttt	tcaagcgttt	ttaacatggc	tcttgtaggt
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104761	gtaattgaaa	caaacaattt	tagttcaagg	cgataaaaagc	agtaacaacg	aaaatggatt
104821	cgaagttggg	atacaaaact	ccacaattat	gtttctttta	aaggctacag	tcaggaacta
104881	catacaatat	attttgtata	ggaactctgc	aacacaagtg	aatatgctag	ggtttctcat
104941	gagtcctgtg	actctcagaa	accttctgtc	ttccaaagag	ttctttggat	tctaccataa
105001	agtatacagc	agtatatgga	gagcattttt	actgttttaa	atcacaagt	caaataagaa
105061	catactgtaa	agggttgagt	atccagtagc	acactctgga	tacccaaaaa	tgtacaacag
105121	ggaagaacgg	ggactatttt	ttcatataaa	ttcttaacaa	tctgtaaaag	gaaaaaaatg
105181	aaagcccaca	aataagcaga	gtaacttagt	tataaaagtt	tagtcatttc	aaattcatct
105241	caaaacaaca	aatatagtat	tttattccca	ctagactgta	agtctcattt	gtacaagagc
105301	caagtttgct	tttgtattat	tgtaatccta	gcacctaaac	gggtaccag	caaagagaag
105361	atgctcagta	aatatttgtt	gatgaaataa	ataaatactt	aacgtgtaaa	acaataatta
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105481	cccaaataat	gtcaattaac	agggagaggg	tgaagggtga	gaaaagagga	gagatgaaag
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105961	aaattttaaag	gagtttgagc	aatgaataat	tgcggaattg	ggcagcccc	agaatcacag
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106381	caaagaatac	taacttatac	atcccaaaag	gctcatggac	agaaatgatt	tgttactgaa
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106741	tgggtaaaaa	cacacgactt	ccctggatgc	ctgtcatttg	cctctcatcg	catagtaacc
106801	agctgtataa	gtaagcaaaa	aaatcctcga	aactgtttat	tgactataat	taacaggggt
106861	tatggtatatt	gaaagcaaat	aagcactatg	acaaatataa	taaaatatga	tgcataaaaa

FIGURE 1 (continued)

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106921 tgatgtaaaa ccgacttgat gttctgactt tccagtga aa gtcgttttcc tggtttacct
106981 gatgaaatgt ttcagagggt cattgcatga actatgagtc atagcttcaa gtctctgggt
107041 gccactttac catttacatg atttaaggcc aaaatctgct ctccttcccta tgtcataaca
107101 aaaccgcgca agactataac gtaagcctca ctacccatat cctagagctt tgcagcaacc
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107281 cttgattata gtgtattata gaaatgcaaa ttgcagtcac aagaatagga tgtgggttgg
107341 gactcttgaa atcaaccttc attttttgac ctgacatttg atattttgct ataaagcctc
107401 cagtttgaac gttctacttg tcaagagtta atgaaactga aatgagtcac agatactatc
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107761 ctgtctccag ctcactcaca gacttggggg cggtctcttag cagcctgttt ctacctgagg
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108601 atttaaaaga tgagtagaca agaatgaaat gatgtatcac aagaagtttg tttccttctt
108661 acgggtttcaa aactgaaatt gttagagaaa atgaaaaatg agtttttaag tgttgagagt
108721 aattctagaa aatatttgtg cacacaaagc ctgactagac ctattccaaa tgatgttctt
108781 atctggagtt tcccagctag gttaatgcgg gcattaccaa atcctgaggt acctaaaagg
108841 agttgtcaga gaaaagataa aacaaaaata aaagatggag aaacaaataa tatagagtgt
108901 tttctgatca gaaataagcc tgccaactac ccattagaga ctggttaata cttgtgagtc
108961 tcaaattgcc tgaatttatt ctggagcttc tagatatatc tggggaaaatt gagacaatgt
109021 acttctttct ttttgtaaaa aaacagtagg tgttacccaa ataagtggga acatcaagtc
109081 tggctctttat ttctgaggtt gcctgcaagt tgctacatcc ataacaaaag tgcccttgca
109141 gtttactctt cagcatatat tatttcataa gcaaggtact caaattgaat ctgagcttca
109201 aaacttagta tcaatcacat ttttcaacct tccagtttag ttttggtatg actggaaaat
109261 tctgcaatgc taaggaagtg tgccaacct aaattaaaat aacatctgaa tgtacctac
109321 atagtttata agcctacaaa ggacctaacg tcatgaggtt tatgagtaac aaaccttggg
109381 gacagtaatt ttccttagct gaaactctct atcacttaaa atattctgtc agacaccag
109441 ttacactttg agattttctca tcaggctttt agtattttta aaactcaatt tctgaaattt
109501 cgctatagg ctgactcctt ccaaacacac ctccctctg aaatttcatg ctcatcacag
109561 ctgaatgctc ggcactgtcc cgaacacttc ccctcgctac aggaaaatgc attaaacttc
109621 agctgcccgg ccgagtgtgc ctgctccgta tcaattaggc ttgagcattt aaaacggctg
109681 ttcctgaggt gattaatgac tgcaaatgag aagaccttcc gtttccggg gacaggtcac
109741 cccagaccct gtgttatcgc caccagtcaa ggcacctgc tgaaccaggc tgccatgcac
109801 cccctttcca gccatttat cagtcaaac tgccaggatg attcttttca ggtgtgcac
109861 tgagacacga ggggagagac ctttgtttta attgcccag atttgcttta tggctccaa
109921 gaactcatga gaacttctgc caaagtagtt tcaaattcag aagctgggac aaatgagcat
109981 ctccaccatg gatgaggagc agtatctaga tacacaatgt tcaaaagcac ttttcagcac
110041 tatgatttac aggcaagtac tgaaaaaaa aaacttagcc aagaggattt tttgaatttg
110101 taactaaaag taaacctgtt ttatagctgg catctcattg ttcaggaaat tccaaggccg

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FIGURE 1 (continued)

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110161 gctgccatca aagggttgaga aaataaaatg atttaattca agttttcaaa ttgctgatgt
110221 aaaatggtat cattccatct ctcattccaca tataagttag ctgaacaatc atcaggcagat
110281 tatagtcaaa agaaactttt cagaacaaag ctgtcattaa gagatataaa aacattttatc
110341 caaagaagac ataacaatgg ccaacagcta tgtgaaaaag tgcataaaat cactaattat
110401 tagagaaatg caaatcaaaa ccacaatgag atatcacctc atgcctgtta gtataactgt
110461 tatcaaaaag acgagataac aagtattgat gagggcatgg agaaaagaga aactttctac
110521 attcttagtg gaaatgtaga ttggtacagc cattgtggaa aacagtatga aggatcctaa
110581 aggaattaaa aatagaacta ctgatacagt ggctgctgcc atcatgtcag ctgcagcagg
110641 gaggcgtggc tggggctgca cactccatgg agccagtggg agccctgcct cttctgagtt
110701 ggaaagagag ctacgtgcct ctgcagccac ccaaactgca gctacagacc caggcctcct
110761 gctctagtga gcaagcagga gcctcgccct cctgggtgag gctacaggcc acctaaacta
110821 cagctgtgaa tccaagcctc ccttgtgtct ttgggggagc caggaacagt caggatctgc
110881 cctcctgggt gcagctggag ccacggcact ggtggctgca gatctggaac tcccagttgg
110941 gaagcaggca ggagccgggg acaagcggga gccctgcctc ttccgagttg gccaggccgg
111001 agctcctggc tgcagctgct gctgccctcc cacgtgcagg gcgtctctgc agcctgcacc
111061 ctccggcacc ccaggaaggt tccctgcccc tgcctctgaa ggctcagggg tgtctgctcc
111121 cactgctggc cctctctccg ctcccagctc ccagctccaa tctcggagcg ggggtggggc
111181 cgagccccag ggccatgaac ggcagcagga ggagacaga gtccgggggtg gaagggggca
111241 gggctcccag taaggcccca ctttcaggcc gtccctggcc tgaacactgg gggccgggct
111301 gccagtcctg tggacgggag aggagactca tgggtgctct ttggcttgcc catggacca
111361 ctggcatgca ctctgtctct tctgaactcc ataaaagctc tgtactcagc cagagcaggg
111421 cagaggatgg ctaaggacga agagggcaga gagaatggga gcagaccaca aggtgcagag
111481 aagactacc tgtctgctga tagctggaga cgatgggaag accagctgca gagaggagta
111541 cctcactgct tgagagctgc agagatgacc tgccagttaga gaggagctac tcaactcctt
111601 gagctgttct aacactaaat aaaactctgc ttcttcaccc ttcacttgct tgtgtacctc
111661 atttttcctg gatgcaggac aagaactcgg gcaaagggtg tggggccaca gaggtttccc
111721 accagaaaaa tcgacaccca agagatctcc taacactact ggtttgggccc gtaatcccag
111781 cactctgaga agctgaggca ggaggattgc ttgaggccag gagttcgaga caggcctgcg
111841 taacatagcg agacctcctc tctacaaaaa aaaaaaaaaa aaaaaaaaaa aaggctgcgt
111901 ttggtgatgt gtgctgtgta cccagctac cctggagact gagatgggag gactacttga
111961 gccagggagt ttgagcttta caagtgcata tgattgcacc actgcattcc agcatgggat
112021 acagagtgc actgtgacac actgtctctt aaaaaaaaaa aaaaagtcta atggaaatga
112081 aatcaccact taacttcata aaggtatcca catttccttg ttcattgcag cattattcac
112141 aatagtcaag atactgaaa cactgaaatg tctgttgatg gatgaatgga tacagaaact
112201 gtgatataca cacatacaga gaaatattat ttagccttaa aaaaggagat cctgccattt
112261 gccacacgaa tgaactatga tgacattatg ctaagtgaat taaaccagac acagaaagaa
112321 aaatactgca ttatttcatt tatatatgga atctaaaaaa agaaaaacaa agttgaatac
112381 atgaagatag aataaagtgg ttgttascag ggtgataga agtagttgtt accagggatg
112441 tggtagact ggtaggaaat ggggagatat acataaaagg atacaaagt gcagacatgt
112501 aagatgaaca agtctggagg tctaacatac aacatgagga ctatagttag taatactgcc
112561 ttttatttga gattcttgca aaaagagttag attttacgtg ttctttccac acatacga
112621 agagggtaac tatgtgaaat gaatgtgtta atttgcttga ctataataac catttcacaa
112681 tgtatatcaa aacatcatgt tgtatacttc aaatatatat aattttaaaa aagtgtgttt
112741 tttggtggtc aaaaaaaaga gatacaaaaa caaaagccct gtggatgcat catctggggg
112801 ttattccact tgacatatga gactctgcct tatggtaggg ctccaggtatc cactctgtc
112861 ccttctggcc ctgggcctgc caaacctaca cccagaagag acttgtgcta cctttccac
112921 atcttttcta ccccatgaca tcactggtat gttactcaga ttttggtgtt ttctaacagt
112981 ctccaggacat aggaaaaaaa tttacactta aagcttcaga acagccattc aaaaaattat
113041 cacttaatag aatgaaaaca cacatgtacc atgaatagga gaggaaggc attaaaaaaa
113101 aaagacttct taaggatcaat tttccaaaag gtctatgttt aaatgttcta acaaaatcta
113161 ctgcataagg acaaatagat attaaactgt tatattggga aaaatactgc atgacataga
113221 atgtctgaaa tccaaaaata aattaatatc actacgcttt gccctttaat caaaagtaag
113281 ttagtccactg gtatttaagt cacacaagaa tctagtataa catggacaca tgaaggggaa
113341 tatcacctc tggggactgt ggtgggggtg ggggagcggg gagggatagc attgggagat

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FIGURE 1 (continued)

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113401 atacctaagg ctagatgacg agttagtggg tgcagcgcac aagcatggca catgtataca
113461 tatgtaacta acctgcacaa tgtgcacatg taccctaaaa cttaaagtat aataaaaaaa
113521 aaaagaaaaa aaaagaatct agtataaaat tgctaccaaa aaaaaaaaaa agaaaaatta
113581 gagaaacttg agattgtact ggcagcttga aattttctag aattctaaat tttaatttta
113641 gtctctacct taatataaga tatttgccaa atgtccatag aattgaaggt tttgtactac
113701 tcactaacia tatataatgt ttgcttaact tgggtttgat gtagaccagt ggttccacaa
113761 actagatcat aaccttagaa ggtgagacat acgcacgta agttcttaaa agttctccag
113821 gtgattctca tctgccgtgg ttgggaacca ctgacacaga ccaatgcttt ccaagacccc
113881 acctgttag gaaaagaaaa cacaagtata gcagttaaga acccaggagt aactcagaag
113941 aagtaagtta aacagatttt taaaattata gtgatgtaaa taagatacta acattggtgc
114001 ccaaaagtaa aggtaggttg gaaatggtga aatgtgtgat gtaattggtg gtttggggcc
114061 tatcagggag acttcttggg aaagtcttaa ttataaactg aattataaag gtcaagagtc
114121 agtaaatac agataaaga ggcaggcatt ttaaagatga ccccttcaaa taatctgagc
114181 attcaagcca ccaagtaata atgactataa ttatcatgtg ttctatcttt attttatatc
114241 attattttaa aaggaaagct atttcagact gggatttctt gtgcaaagtt tttttttttt
114301 atttgggttt tttgtaactt atggaaaata tttcacccaa aaaggaatgg aaatctttat
114361 ccagcctaag agtgagtggg agagaactaa gcaaacggaa acaaccaata gctcaaaagc
114421 tgagtaccat aaacacctac acatttgact ggacacgatt tcagtcttct ttaagaggag
114481 ggacttaaga gtcttaagag ttttcagctg gaataagatg tataaggata aattatgttt
114541 attcacataa actgttttgc aatatgaaaa gacaaaaaac acctgtaaag ccagtgtggc
114601 tcccactcca ggaactctag ctggtaatgt ttcctgacag agtaatttat cctaaatttc
114661 acatcttgca agcataaggg tcaaatatat tttagtcata aagacactat aagtttccga
114721 gtagaaatgc ttcaagtttt caatctccaa gaacatttgt cccacctatt ctgataatac
114781 tttactatcc ctttgttttt caagatacca gaaatgactg agatggaatt tactctagct
114841 tacttcttat atttaaaaag atctcttgct tttgcattta tctaggcaca tataaaaatc
114901 aatatgtgac ctactactac ccagacagag gttagcatca ttttctaagg ctcttgctc
114961 ttcactgtac tttggctctt tccatccctg cctgactcta caccactctc aggctattct
115021 tcccagacac tttttctact ctgccgtcgt cctctgcccc ggaaccaaca aagcgttccc
115081 tgtcggatca agtctgaac actcagcttg accctctcta atcagaagaa tctgcctctt
115141 caactttatt tccacgttcc ccaacctttt cattctaatt aagccaatat cccgattgcc
115201 ttccatagaa atcatgtttt cactcacata cctactcagt aaacacttat tgagtgccag
115261 ctgagtgtca ggctctgtgc tcatttctgg cccacactt ttgttctgct tggcctggct
115321 caaatgcca gtctccaca aagctctctt cagctgtgct gattccccac tcagcgtctt
115381 taccctcggg attccccaca tcagcattcg caacctgaac tcacacagca cttttctaga
115441 atactttcag acattctgtt tcaaataaat ttggaaactc tggttcaaac tcagttggac
115501 aggtttctct actatggaat tctcagaggg ttaataaagc taccatcagt tgtgaattcc
115561 taagagggtt atataatatt cagaatttca caaaattcct tggccataaa aattttacag
115621 tataattgct gaaatcccag gacaatttta tttgggaaat gttgcctact attattttaa
115681 attggtacca cacaatttat cacttaatca cattgtctgg tatatgggat catcctgtta
115741 cttctctgtc ttctttctat acatctttgt ccttttcaaa tacccaaaat attaagtcct
115801 cccttatgac taaaagtata gagtaaacca aaaaatactg tctcaacctt tggggaaagt
115861 tttctaatat gtatttatat acctcctgc cttagtaagc agtacaatca atggatcttt
115921 gatggctgag acaggttgaa atggcaaaaa gacaacagca ccacttttga aaacgacttt
115981 atgtagacca cctccctggc ctacagctcc tcatctgaac aagaaggga cttcccagtt
116041 ctgacggtct atcgtacagc atctcagcgt tgtgattctt aaataagtat tcaactgtaca
116101 atcctataaa ggtaagagct aaacaatcag atatcacccc cagaacattc ttcggaagtc
116161 tctgtgtctc gctttcttac taatataata atagcttggt ttcttatgat tttctctctt
116221 cgaataaaaa caattcctat taatttaggt ttctgtcat ttggctttga gtttaacacag
116281 gctttacttg acagggagg gaatgactcg gcaatcacag caacagccac acctgcagtg
116341 ctcttctggt tcccagtgct agccagtaac tggtcagatg gagtccaga gggcatgggc
116401 cacagagaga ggaagtcata tgatgggagg gtgggcatga acccatggac atgaacctat
116461 gaaaaacagc tgtcatgtgt ctccatatct agttatactt cagggtctag tggatgaaca
116521 accaaccaac caatttggtt tataatgtag ggtttcttaa gtttaacaaat cttaaatttc
116581 ttaagcttcc agagccact ggaaaaagat catcacaatt ctaagactct ggaaatgatg

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FIGURE 1 (continued)

116641	aatgtcaaaa	caatctctat	tccattatct	caataaattt	tgtgacattg	atgtgatttt
116701	cacacaatgt	ttaatgcaaa	atgacaagca	actcaaattt	ccatattatt	cttttaacca
116761	tctgtaaaaa	atagataaat	atgacatctg	gtgaaagctc	taatgaatga	aaagtgcatt
116821	atttcctcct	cacagcaggt	gtgtgacttt	gggcaagtta	cttctctaag	cctcagtttt
116881	ctcatctgta	aaatggggct	tatttcatag	agttgtcctg	ggtgttcaaa	aaaataatgt
116941	attcaaaaaca	cttaacacat	cattgtgtga	ctgttattgc	ttttttgctt	atgggtgttg
117001	ttactatgat	tatcgtttga	ctagtgttat	tgttataaaa	aggacagtta	gaaagaattc
117061	tattaaacct	ctggagatta	cctcacttcg	atttgaaagc	caattctttc	tgcactgttc
117121	taagtcaacc	tatacaaatt	gttagatata	agttggaaaa	gccataaaa	tcggtgtggtc
117181	tcttttgcc	ttaatagatt	cctcctttca	accactacgt	atctatctcc	cccaattcac
117241	atcatcaaag	aaagcttaat	gcaattaaat	ggggaaagaa	gttaagatga	aattagacaa
117301	agccacatta	aagcagtcag	ctcaattctt	gacacacaga	ttggaggaca	aataaagggg
117361	tgaatggaag	agatgttttt	cttcctaggc	agcaggcata	agttacactc	ccataaattg
117421	caataaccag	ctgtgtgact	ctgagtgggt	tgagaaacta	ttagaataga	tgacctccat
117481	agttcccttc	cagctcagcc	tcagagccca	cactgttgct	ttctgtaaag	ttaagtctga
117541	aggggaggat	cgggctaaat	attaccattt	taaaaaagaa	tgctagtgtc	attcaagaat
117601	gaagttaaat	tctcagtcct	ttggaatata	acttcaactc	atttacttag	ataaatgctt
117661	tccagtacat	ttattaagag	agcaagaagt	gatgttttga	ttaaaagtga	attctaaaca
117721	tttgctacat	tcagagcagt	actttgttag	ttatattttg	aacttgcata	tgtatttata
117781	gaagcaagtt	caacttatat	atataggact	aagagctgtt	gaaataaaaa	tttgctatag
117841	attttgcaca	tttcgggtga	ttaatcaaaa	gatttcatct	acctaacaat	ttctttccat
117901	tttttttctt	aatcttggat	cctacttatc	taagcaggct	tcttttctac	tggatataat
117961	ttcaataact	tcaaaagcaa	acacaaagta	atcttatctg	tgacatttct	caaacacttt
118021	tttctaagtc	tttcttattt	catttggtat	acacaaacct	agatgggtga	gcctactata
118081	cacctaggct	atatggtatg	gcctattgct	cctaggctac	aaaccctgtc	agcatgttac
118141	tgcattgatt	actgtaggaa	attacaacaa	aatggtaaat	atttgtatat	ctaaacacag
118201	aaaaggtaaca	gttaaaaaata	tttttttaac	ggtatgcagg	ctgaatacac	tggtctatgc
118261	ctgtaatccc	agcactttgg	gaggttgagg	tgggtggacc	gcttgagctc	atgagtttga
118321	gatcagccta	agcaacatgg	caaaactctg	tctctacaaa	aaatacaaaa	ccatcagg
118381	cgtgggtggtg	tgtgcctgta	gtcccagcta	cttgggaggc	tgagggtggaa	ggatgtcttg
118441	agcctgggag	gcagaggtta	cagtgtgtgg	agaccacgcc	agtgcaccgt	agcctgtgtg
118501	acggagccag	actttgtctc	aaaaaaaaaa	aaaaaaaccc	aaaaacgaaa	aatggtatgc
118561	ctgattactg	attagggcac	ttaccatgaa	tggaacttgc	tctgggtgag	tggtgagtga
118621	aagtcaaggc	ccaggacatt	actatatact	aatgtatatt	ttataaacac	tgtacactta
118681	ggccacacta	aattttattt	ttaaatattt	cttttttcaa	tagtgaatta	acctcagctt
118741	aacataactt	ttttaccttc	taaactttta	aattttttta	aactttttta	ctgtcttggt
118801	aataacattt	agtttaaaac	acaaacacat	tagctgtaca	aaaaaacttt	ctttctttat
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118981	tgaatcatgg	ggtcaggtct	ttcccatgat	gttctcataa	cagcgaatga	gtctcaagag
119041	atctgatagc	tttaaaaggg	ggaatttctc	tgcaacaagc	ctttctcttt	gottgtgtgc
119101	atccacgtaa	gatgagactt	gctcctcctt	gccttctgcc	atgactgtga	ggcttcccca
119161	gccatgtgga	actgtaagtc	caattaaacc	tctttctttt	gtaaattgcc	cagttctcagg
119221	tatgccttca	tcagcagcgt	gaaacagact	aatacactat	ttttatttta	ttttttttac
119281	ttttaaatgg	tactgttaaa	aactaaatag	aaacacacac	attagcctag	gcctacacag
119341	ggtcagggtc	accaacatca	ctgtcttcca	ctctacatct	tgtcccactg	gaagggtctc
119401	aggggcagta	acaagcctag	agctgtctac	tcttacgaca	acaatgtctt	cttctggaat
119461	tctcctgaa	ggaactgtct	gaggttgctt	tgcagttaat	ttattttttt	aataagtaaa
119521	agactctaaa	ataatgatta	aaagtatagt	ataggaaatc	cataaaccag	taatatagtc
119581	atttattatc	actgtcaagt	acatactatg	cataattgta	tgtgccatac	ttttatacga
119641	atgacagcac	agtaggtttg	tttacaccag	cttcaccaca	aacatgtgag	taacctgttg
119701	tgctgtgatg	ttacaacagc	tacctagtca	ctaggtgata	gaaacttttc	atctccatta
119761	taatcttatg	ggaccaccgt	cgtatatgca	gtacttcaat	gacaaaaaca	tccttatgtg
119821	atacctgtgt	actaaatggt	tgaaatattg	caactcagca	gaaattttta	atggatcatt

FIGURE 1 (continued)

119881	tatagaaaaa	ctgctagagc	tctttgagag	acaataaaatc	caattcagtc	tgcccagtc
119941	gagcaaagac	aacccttca	gaagttttta	gaggaagcaa	gagcatatat	tctctcagat
120001	ataacacgta	tattcgtttt	tcagcagttg	caggactact	ggctggctgg	agctagttca
120061	caaggacaac	cacatcagtc	aggaagacct	gtgacccaat	ggctctcatg	tgctcatgga
120121	ctaaacagga	aacaaaattc	tgcgacccca	agtatggtaa	atgatgaatg	gcaagaaagc
120181	aactgggtcta	tcttctgac	atgtaaattc	ctttccttta	aagggaggtt	tgtctgcccc
120241	gaggcttaaa	ggcaaactcat	gaaatcacgt	gtcttctgga	aaaagacaca	ccagctgata
120301	aaaacatggg	ttctccaata	atcagttaaa	aacatcaaaa	tatttataat	tatgtgctat
120361	tgcttgagct	ggcattctct	atctctcatc	actttcatca	accaaagttt	attagggtat
120421	ggaagttgat	aaaacttaga	gaaaaatccc	aaggaaattc	catgtctttt	gtgttccttc
120481	aaactgaagt	tttcccagta	tctgttttct	ccttattggc	aatgggtgaga	aggaatacta
120541	tatgaaaaga	gattttaa	ctatcataga	ctttgtcata	tgagaacaat	cctttctgga
120601	aaagaaatgt	aaacttacag	ggatttctta	agggctctca	tggaataaca	ccatccccct
120661	cctccagtag	ctgttagctt	ttatgtgcaa	atgtactgaa	ctagagacct	attatatcaa
120721	aaggacattt	tcactcctaga	atatttttca	gaaaaacaag	cctcaaatg	taactcttct
120781	gtgcagatgc	aatcacccaa	tcaattcttc	tgctgattca	acattcta	aagactaaca
120841	atccattcat	tcattcattc	atcatccag	caaacattta	ttgaatgccc	actacaaagt
120901	tcagtgttgt	aacgactgag	gctctgaaaa	tcattggctcc	aaaactcaaa	acctatgaaa
120961	ccttggataa	gtttctttaa	ctctcaagtt	tcggtatcct	tatttataat	actagttgtc
121021	ggtatgcagc	tactttttat	gaaccaacct	agagaaaccc	catcctcctt	attcagatgc
121081	cctactggga	ggaaggtg	tggttcaacc	tagaggaaga	ctatgatata	ttttgaaatg
121141	atcttaggat	aggacacaga	atctcaagca	ggttgctctg	gatctttcca	ctgttccaag
121201	aacaaggatc	actcaccaag	gcactaaatg	caaccatttc	tggtgcatac	agacagagaa
121261	aattaatata	tttaacaaat	gattaaaaga	agtgttcagg	aagaattcaa	tatagaatca
121321	cataactaga	atggcaacta	ttgattagat	gaggctgaaa	gggcagctgt	gtgtatttca
121381	aagggctctg	aatgccagat	gaaaacatct	gtacacagag	aggggaagac	atgaataggt
121441	ttgaacccta	aaaagatgtt	tgctgacacc	aagcagactg	gactggggtg	gggagtgagt
121501	ggaggctgtg	aagccaatta	agtttgtggt	cacagttgac	ataagaatgt	aaggaagaaa
121561	aaaggcttca	atagcataat	gctttaatac	catgcttctc	agccttgagt	attgcatggg
121621	ccatttgtta	acaattttaca	aagttaagtt	gttattatca	tagtgttatt	taaaggtgta
121681	caatattcct	tatacctata	gcgccaatga	aagtaaaacc	aaaacgaagt	tacaaaccca
121741	ggtaatatgt	ttctaaatct	tgctctcttt	ctggcttttc	gacacctcta	ggtcttccaa
121801	cctccttctc	ctaaaactaa	cgattgtctg	agagtgtggc	acttcaagca	aaagacctga
121861	gttcacactc	tgactctgcc	acttactagc	tggagactta	gggaaattgc	ttgatcaata
121921	tgagcctcaa	tttcttcac	tataaagtca	gcagaataac	ctaccccata	cagtttttgt
121981	aagaatcaaa	acaattatgt	ggaaagcact	ctgttaccca	tgagtctctca	ctaacacaat
122041	cttgtggact	tgcatataa	tgcaaaagac	aacagaagtt	tactaaagta	agtgcattt
122101	tttggagggt	ttctgaacta	ttaatatttt	aaaagagaaa	aaaatcaaaa	aatgtttata
122161	agaacaagac	aatcatttat	tcttaactac	tcaaactcag	aggatcatgt	gtgcctccat
122221	ttcatgccat	catttgcaga	ggaggaaaag	tagacagggt	gagggcccgt	gtgtgttgct
122281	gacaaaggca	aactgagccc	aggccttgtg	gctcccagat	ctgttcacca	attaaaagct
122341	acaaacttca	ttgataatgc	ttatagccag	ctaaaacagc	accttctttg	gaaagcagca
122401	cctgggaccc	ttccacaaac	tctctgcaat	gtgctaacac	aagtctcaaa	gaccgggcat
122461	ttcccaggga	agatggagga	caccacacct	cagaaccttt	gctacctctc	gagacaaggg
122521	tcactctoca	tgtgagagac	ctcacttaag	tgaaaagagg	gaagcagtaa	tccagctcag
122581	gatcaataga	aagaatcaac	taagtcttcc	tgtgtagatc	tatttcatac	caaggacttc
122641	atgtcttcaa	tttggaaaga	agttcaaaga	aaaaatcagg	gacaagatta	cacaatttat
122701	aaactgactt	cacacacatc	atatttgatc	cacatgggtc	ccatgctaga	ttgatattat
122761	gacccaaaaa	cactctccaa	caaaaacaac	atgtttattt	ctattgtctt	aatcttaagc
122821	aaaaaatttt	acttgatttt	tccgtttctt	ctgttcttgg	agaaaaactt	ggcacacctt
122881	taaagcagta	gtgaacttcc	catttttgag	gaggcttaaa	tattatttat	aaaaatagca
122941	aataaaatgt	tacccaccca	ttcctccttc	ttgaaattaa	tatggtagac	tgccaaattc
123001	cattcatcct	ttcacttatt	cataaaacaa	acacattggg	agcaccagg	atatgccacc
123061	attgttttat	cctggaggac	ataaaaatga	aaacaaccaa	agtctctaca	ctctgatcat

FIGURE 1 (continued)

123121	aaaatcaata	ttaataaaaa	attatagccc	gcaatgtgga	ctgatgtcaa	aaatcatgaa
123181	ttcagggtaa	aaagaaagt	actaaagact	gggatgactg	tacaaataca	caggaaagaa
123241	gtcatcaaca	aaaaattcta	aaaatgcctc	aagggttggg	ccattccttc	gagaacagca
123301	tatatagtag	ggcctgtgat	ggatggccaa	tacaaaaacg	ctctgacact	aacttaattt
123361	gcaacttaac	aagagtatta	actgtgtact	tttaacataa	aataaaatgg	gtgactatct
123421	ttccacaact	tttaatat	attctgtgtt	ttttagcttg	tccttttaaaa	aatgaagaat
123481	ccattaacat	tagtttttcag	gttaccatct	taggcaacta	aatatgaata	atcaatgcaa
123541	attaaccaat	attatataag	gaaatttgac	ttatctttca	acctaagcag	acatgatttt
123601	tttttttttt	tttttttgag	atggagtctc	gctgtcacc	aggctggagt	atagtggcgc
123661	gatctcagct	cactgcaacc	gcttcctggg	ttcaagtaat	tcttctgcct	cagcctcctg
123721	agttagctggg	attacaggtg	cctgccacca	tgccaagcta	atTTTTgtat	ttttagcaga
123781	gacgggtttt	caccacgttg	gccaggctgg	tctcaaaact	ctgatctccg	gtgatccgcc
123841	cactcagcc	tcccaaagt	ctgggattac	aggcgtgagc	caccgcaact	ggcctaaaca
123901	catatgataa	tctatttctt	taataaagat	aacttaagtt	tgcttaaatt	ctctataatt
123961	acaaaataag	aatgtgttac	taagataaga	tttttaagat	agacatagca	atagctagct
124021	catcctgaat	gatctaattc	caaaatcttg	catatatattg	actgcttctc	atttagaagt
124081	tgtattaaaa	gtcaatggat	tcttcaaaaa	gcaaaacatt	gagctgccgt	atgaccgaga
124141	aactccaccc	ctaggatatac	acccaagata	actaaaaaca	tgtccacatg	aaaattagta
124201	taccaatgtt	catagcagca	ttattcataa	tgcctaaaaa	gtggaaagaa	tccaaacgtc
124261	caagtgacta	atgagtaaac	aaaatgtggt	atatccatac	aatgaaatat	tatttggcaa
124321	taaaaaggaa	tgaagtacta	atacatgcta	cagaactgat	gaactttgaa	aatattatgt
124381	ttagtgaag	aaactaaaca	ccaaagacca	catattgtat	aattccatgt	atatgaaatg
124441	tccaggctat	gaaaatccat	agaggcagaa	aaaaatcagt	ggttatgcca	tgaaatgggg
124501	agtgactgct	aatggatata	aggtttcttt	tgagggtaaa	aaaagtattc	cagtatttga
124561	tagtggtgaa	ggatgtaccc	tctgtgagta	cagtaaaaaa	cactgggctg	gacgccgtgg
124621	ctcacacctg	taatcccagc	actttgggag	gctgaggctg	gcggatcaag	aggtcaggag
124681	atcgagacca	tctgggctaa	catggtgaaa	ccccgtctct	actaaaaata	cgaaaaatta
124741	gccaggcgtg	gtggcggggc	cctgtagtcc	cagctactca	ggaggctgag	gcaggagaat
124801	ggcgtgaacc	caggaggcgg	agcttgcagt	gagccgagat	cgtgccactg	cactccagcc
124861	tgagtgaacc	agcaagactc	ctcctcaaaa	aaaaaaaaaa	cactgaattg	cacacttttt
124921	aaaaagtga	cttcactgta	tttgatttat	atctcaataa	agctgttatt	ttaaaaaaaa
124981	aaaaaaaaag	caatggcttt	tcaaatcctt	cctgaacttc	cttggcctct	tttgcctgt
125041	ttttatttgt	gtctgggttaa	tttctcata	tataataaat	aaaaataatt	acaggataaa
125101	atatgagaga	tttgtcagtg	tgtatatcac	tataacatgt	tcattctgga	atTTTTattg
125161	caattttgct	tctaaaattg	gaacgtaata	atgtagaaaa	ttcagtgtca	ttgggtactg
125221	ttatgacagc	aagaacttct	gaaatgtttt	ctaaatatgc	agtatctcta	agtccaagga
125281	tcatttcaaa	atatgaaata	aacacaagac	ttagtgtgac	ttctttttta	cttctatccc
125341	ttctcccatc	ctcacaaaac	cagtacccat	ccatgggaaa	acagaaaaat	ggccaacctc
125401	caactaaact	cagggggcaag	aatgaccagc	atgccctagg	attgagagag	gaaagagaga
125461	aggagggggc	tgtattttctg	ccttgacaac	gtagtaagta	aaacgtagca	cactggtgcc
125521	cgtagtttca	accagtggat	tagcagcccc	accttctagg	tgaggctaga	gaggggtgaag
125581	aaaggggcaa	catgtccttg	agttctgtcc	ccatgcctag	agagaggaag	aacaatctcc
125641	tcccagacag	aagcactcag	taaatgcagg	cagtttttat	atattctcta	gcccacacga
125701	cattcaataa	aggctcaaga	aaggttagct	gaattgaatt	atcagaaaag	ggtaggggga
125761	ggagagatca	ctgagtattt	atgagtgtgt	aacagtttta	attgaatata	agtcaatgga
125821	tcaatttctt	gattataaat	cttacaatta	gatttcttca	atcagcaagt	aacttttggc
125881	agatttctagt	aacattaatg	cactttctag	cttaaatgaa	aaatggctga	taaaagtcca
125941	aaagataaag	tacataagta	agaacttact	tgggttaaaac	aaaagattat	ttagagtaac
126001	atTTTTattta	tttagaaaaa	gaaaactgga	aattagtatt	atctaaattt	ttaatatctt
126061	catgctaaag	tttagtgaat	tttcttatgt	gaagtagaca	ccttaatctt	aaagcaataa
126121	ttggctgggc	atgggtggctc	acacctgtga	tttcccagc	actttgggag	gttgaggcag
126181	gtggattacc	tgaggtcagg	agttcgagat	cagcctgggtc	aaaatgggtga	aaccccatct
126241	ctactaaaac	tataaaaatt	agttggaaat	ggtggcgcac	gcctgtaatc	caagctactc
126301	aggaggccga	ggcagaagaa	tcacttgaac	ccagggatgg	aggtttctagt	gagccaagat

FIGURE 1 (continued)

126361 cacaccactg cactccagcc tgagcaacag agagagactg cgtctccaat aaaataaata
 126421 aataaatcaa taaataaatg caataattag aaaattaacc atttgaacag cttttgacgt
 126481 ctctagtggg aaaacacact agattgttgg tatgcaaact agggacttca aaatattaag
 126541 gagctacata tttccctggc aattttttct cccatttatt ttcttaacaa actctatttc
 126601 aatatataga acaggggttaa cttctactta cgtcacatcc aaatgatgag atggctttct
 126661 gtatacaata gatctggaca gataattggg aagcagagca tctgctacaa attttgactc
 126721 atctgagcct agcttagcta atgtaaaagt ttaccactta aattaatccc agattatttt
 126781 gtacaatcct attacttggg tcatTTTTTTa tactaggacc taataacatg attacattaa
 126841 gaaaaaatat gaatttatatg aaaattagaa aataattcca aatggatttg gttcattcac
 126901 cttgaattca aagatgacca ggtatttttc tggacagtac gagtggaaat tcatTTTgcc
 126961 caaatgctg aaaatatgac aatctagtcc caaagcacta tgggtttggt tatagattgc
 127021 agaactaatt aactttatta ctttattctt tcctcaagt catacaccag agtaaaactg
 127081 cctctataag agatacagct tcctaaccac acatattaat ttttgggtca tatcaagtag
 127141 agttctgccc agctggaagt cactcttttt ttccactaag actgcatggt ttttaacatta
 127201 cttgaggata taaaaatatt agttaatcag ccattcagga gctgctctc ctgcattcca
 127261 ttaacacott ctaatacagc ataaacattg taaaggttat attcttggac aggccagaat
 127321 gtctttgaaa aattattaga tcacccccag aagagaacta taacacaaat gaatgagtca
 127381 caggactaac tagaagcagg gcagtatcta gttttcagaa atacagttaa ctaccacatt
 127441 aaaagacttc ttttctaattg ttcaactgct ttcacctctc tttctggcta tagttggagt
 127501 gggggaaagg gctgtgagga ggggaggaag atcattattc aaaggcacc aagcaaaaaa
 127561 ctaggcaagt tgtattattt taaaatatta attaataaag ttatactggt tagcaggagt
 127621 ctatgtgtgc catacctaaa ataatgttaa tcaagcccc caaaattata aagttttaaa
 127681 gtttagctac aagtataaag tttagagaag ttgaaaacc agcaccaga agagttcttt
 127741 agaagagttc ttttatagtt ccattatcta cccaaaaaag gaggcggaaa gatttagcag
 127801 gtaagatggt ttgaagtaac agatgttctg gaaattaagg atatgtagtc acaggccctg
 127861 caactctcaa ttaatttgca caatgttgc caatgaaaaa taatgaggtg gatacattaa
 127921 tcagcagtga ggtcttctct agccttccac actcaacagt actgagaaat caaatcgact
 127981 tcttctgccc tcagctggat agggatgatt atcttactat ccaacactag actgtaagggt
 128041 taagaaaaac ccactaagtc actgaaaaaa aaaaaaagac tataattaat gctttgtatt
 128101 aactttaaaa gaaagtccat taatttggta acagaatgca agtgtgaate ctattaaaaa
 128161 gcaactcagga aaggcaaaaca attcacttct aattgcatat ataaacgaat ataattgcat
 128221 aaaataagag accataaaatc aaaatacagc taaagcatta ctgtcctgta tattctatgc
 128281 attttctcac tggcaaaaaa actagcaaaa acccaaaatg acatattcaa agcataatct
 128341 tagacagcaa ccttgctaaa ctcaaaacag ctctcttgtt taaaattttc ttctgaaaaa
 128401 attaatctctg cccaaaaata caagattcat aatgtgcaaa ataaaaaatc cttactggt
 128461 ctattgttgt ttattattgt tatctattat tgttgttttc aaatcctcta aataccatat
 128521 aatagtgaca aaatttaatt cgactttttc ctacttgaaa acgagttagc cacattatta
 128581 aaccactga cacttggtga tatgttttca acaaaatcta cagattcgcc aacgttgaat
 128641 ttctaagtac accacaaata attgatatca caagggaaga aatgtactcc ccagagaaca
 128701 taagatatata atataaatag tatataaatc ttaattgtat ctaaacagat acaaaataacc
 128761 tctatatctg tctatgtgta ttcaaatcta cggtaaatat atccaactca ataccagtc
 128821 cgatttaatt ccaacatgga gtaaaaggga ggtaatgaaa attcccttag acctctatgg
 128881 tagctgcagt tatattcaaa tcaaaacaat aggaactgta cttggcacia tcataatata
 128941 gccttataat ataagggttag gaatgaaaat ggactaaacc attttcattg aaggtaactt
 129001 gggcagaagt aacaatgtgc aacgtattga gaaaaataag gtgtgaaaca aaaggggttg
 129061 cagaattaag ttccaggata aaatactgtc caaggggaga taaaaaagga aatagacaaa
 129121 agtctcaag ggacaactag gtttttaaaa tgtttcttac aggcattatt cagtatcct
 129181 atgctctatt taaactctac ttcatcgcca agaaaagaat ttcatgcaga tagatattgt
 129241 gcaatggaat gtaacaaagc attgctccaa ggtattgttt attaatTTct gtcactgatt
 129301 ttggatccat tcctaattgg aactaaaagc tttttgaatt gaaaacatta aagggctggt
 129361 aaaagaaaca aatgcagaga gcagtacatc ccgcagcata accagccagg gtgggtgggg
 129421 gaaggggtctt cacatttaga cagcactggc aagaaagcag gtttttttaa tactactaaa
 129481 attatgttag ttttcaacaa ctaaaaatat tctgcaatag ctgtttcacc taaggtaatt
 129541 tattctactt agaaaagcaa ctaatgaatt gataagtcaa ttgaaaagtg agtgagtcat

FIGURE 1 (continued)

129601 atttttaatg tcaaattgca aaattcttta tgcttgaaaa gaattagaat taagaaatct
 129661 gctaaaattt tggctaaaatg agcacatttt aaggggtttt taaaagaaaa atttaagtct
 129721 cctcagacct atataaaatt ggtctagaat ccatccattc atcatattta tttacagcca
 129781 agccaaagct cattccttta ggactacagc aaaatccagc aatcaacctg tagccaagga
 129841 gctgaatatt catagagaaa aatcacataa gcaagcgaat gtattttatt ttagattcat
 129901 tatcgccacc ccaataacctg ctctttctctc cttcaaccac cccaacacac acacctgacc
 129961 ccaatctcag atgatgacct tacatttcac tgggaaaaca aaaccttta ggtaagagct
 130021 cccccaatcc ccaccatcaa gttacaaaacc ttggagcatc catttccagt gtccctttgc
 130081 cccctcctat taccaggag agatgtccct ctctccaaac aataactaagc tccctacat
 130141 gtgctgtcga ccttctcaa agcacaaaag acccatccta gggaagaaag tgcagggatg
 130201 cctggaagtg atctccctcc tctctaactg taaaaatact acctaatttt ttaatgtagc
 130261 tatttctctc cactagaata taagctccat gagagcacag acattatctt gttcacttgg
 130321 ctgtctaaca catgcaaggg tgtccatttt tggagctgtg aaataaaaaat tccctaaata
 130381 tttgttgcaa gtccatctt ctattaagcc tcccccttct cccaccactc ccatogaaag
 130441 cttcattcat tagcatgacc ccagctgcat ccagggaataa ttaattacta catcttttgg
 130501 gctcccataa catttgaatc cctcctacaa cacagaagag acatttttat atacattctt
 130561 cctaactcog attctcattc cacactataa aacaaggtag ttaagaggaa cgaactgcctt
 130621 atttatcggt tattagatcc taaatcaatg cctgaatgag ctcaagagag tttctttaac
 130681 tgtactgagg agaaagtcca aactacttta tgaattgatt tctaactcat cccctacttt
 130741 ttcaaaagaa atagttaaga taaaatacct atttaataaa taacaaaata ttacttttct
 130801 ttacttgcag aagttattta gtcatgaagt agacaagcag ggtaccactt aacactaatt
 130861 taatggaaag atagtctaag tttgtaatga gaaaacggaa aatgggtttt cccaagggtc
 130921 acagactaag gcagtggcaa agtcaattaa ctactcttta tcttaccac accaaaaaga
 130981 gctttcattt cccaccaacc cacatccata gatttcaaga tttttattat tatggaagta
 131041 gttgataatt ttgtctatta gtaaaagaag agtaaagtgt taattaatta tactgaataa
 131101 aagtgcaggg gtgggtggag ctattaaaag aacaaacagg ttttctctct ggctatacca
 131161 cagagagctg aacaaaagcc acttgaagaa aactccctca gagtacaaga gctgcttttc
 131221 tctgtagatt cttacaagat aatgatcaag caagaaaaac acctaatttc ctttttttct
 131281 tggattctta tatttcccag agagattata ttcacaatgt ggaaagtga actgttagaa
 131341 gaatctcact tacttattaa cccagtaaa cttaaaaatt aaataaaata cggcatcagc
 131401 aatttggagc ctctggttaa taataaaggg tataaacagt gaagcaagaa actctgcgtt
 131461 aatcaactat gtgatctgt cattctgtgt ttccttaaag tgaaaatggg gaactatgct
 131521 gaaaaacaaa ataagataaa cctttgtgtg tgactaaaaa tctagccagc cgagtttctg
 131581 gctagcagat atggcagaat ggcattatca agacttgga agactaacat tatctataag
 131641 tccgcaattt acaagaagta gtttaacag tgacatgaaa aagataagaa aaggttccaa
 131701 ataaagttat tcctattatg atttcaatat tgttatttgc atgaatgatt atgaactatt
 131761 ttttcatcca ttctgttcagg cacttattta taggaagtac tagaatgtca cagaggtaat
 131821 aactaaactc ccaattgttt aaattttttc atagtgaata taaatattca tatggaaagc
 131881 ttcataaagt aaatagtctc aaaaataaac agaatgacaa aataaccagt taaatcacac
 131941 tatcaaagtg aatgaacca aattttttta tttttcaaac tatacagagt cctcattttt
 132001 cagctgctcc acatctaagt gttctctgtt tttcttagcg gcagcactga acttcagagt
 132061 caatcaagtc caattttttg gatgcctttg gaattgaagt ctttaagacca caactaacia
 132121 aaagcaagta ctttgcctct tcacagcagg atgcagattc ctttttctaa gcagaattcc
 132181 agacattcca tgagtttctc ataaaaatag atgtccattt taaagtaggc cagcctgaac
 132241 tcataccagc ataaaatagc caagaagcac acttatgact gtgaggttta catctgctct
 132301 tgtaagcaaa ctctagagat taccattctt cagctccacc ctaaaatctgc ttctcagctc
 132361 ttcttacta tcacaagaca gtgggcgctg tgaaaagatg gctagtgggt tcaaggaaaa
 132421 accattgate aggagagctc tgaggacaaa catggacgag tgcttgactt tcccttcccc
 132481 ctccaaataa actgctgcat tagaaaactg atattacatt taaaggttat caottctcat
 132541 aactcaatga cttgattaaa gaaaataatt tttttaataa atcaaaagta ccatgagttt
 132601 tttttaacat gacacaacag catacactat aatatcatga agagtacaaa gcttaaaaaa
 132661 agaatttaag tgtagacatc agagtaaagg cctgggttctt agtctctggg agcacatgta
 132721 gagcttgact taagtgggat ttacaccggg ctctgtctat ccttagatgc cccaggaggt
 132781 gagatggaaa gcataggctt atcagaagag gattgtgtga cctttttaag ccttttatct

FIGURE 1 (continued)

132841	aaaaagactt	atcagatccc	tactctgtgt	caggaccgtg	cttggcaact	gtaagccgaa
132901	acagacccag	tcactgcctt	tctggagctg	aagcttgctg	agggaaacag	acaatcacac
132961	aaaggaacac	attattacct	cccatgagca	gttctaggag	gcagtcttag	cgggagagtg
133021	agagagagag	acccaatcta	ttccagggat	cagggaaagc	tttcccaaag	ggagaaatgt
133081	ttacaccaag	tggaagttaa	ccaggcataa	aaggaaaggg	aaaggacatt	ccaaaattag
133141	aaatcaatth	aggcaaaggg	ctgaagcaag	aggggcaaag	cctgtcagag	gaattagtga
133201	gtttgaaaag	gcaggtgttg	aggggttggt	tctagttaat	taactagtga	aagttgaggg
133261	tggtgggtgc	taggccacag	ttcatgtcta	gtctttcagg	ctttattaaa	gtcctgagaa
133321	gcagagaata	acatgaccag	aatgtctgta	gagtgaagaa	cggggttgaa	aataaaccta
133381	cagcagacag	gaggaaaaca	gtggctggcc	tattgcagta	aacttaggat	aataatggta
133441	gcctaaacca	agaggggtgg	aatggaaaag	agagaagtgg	gccgttttta	atgatctcag
133501	atacagtact	tttcatgata	ttctaataag	ctatatcatt	aaattttcaa	aaaaaaaaaa
133561	aaaacctggc	ccgtaataag	cattccatga	atatttggtg	attcagttaa	tcttcttcat
133621	tccatgcttc	ttccttcttc	ctgccttttt	ttgtgaagtc	ccctccccag	gtctgtctgg
133681	agtggaccca	ccttgcagaa	gcaattttct	cagaacaaaa	atctgtcaac	tcatatctta
133741	atatgtcgac	actaaaggaa	taagaggata	caaaggaaaa	atactaggga	gaaaaattct
133801	ctctgtcttc	aagttgaaat	tttcatgtct	ctaaccagca	ttttgcagct	tgacttcttt
133861	tggttattta	agaaaattag	cctatatgtg	gtttcctgct	atgaacacca	gggtccatac
133921	tatgtttcat	ctacactatt	taaatgacat	gccaaactta	ttccttttat	tgccagatca
133981	gtcctctaga	ggtcagagtg	accgtgtcac	ttgtctggtc	acagagccag	agagaacatg
134041	aactgggaga	tcaggtcagt	tggaatctaa	accagcctt	tccttgcttg	cttaccacac
134101	tagttctcaa	gtagctacaa	ttccttcgcc	tcgttttttc	ttcacatata	ttgactggcc
134161	acccatttaa	aaataataaa	tacgtccact	gcagcatgat	gttagtttgc	tgaaagctag
134221	gaataagaca	caggttattc	tttctagtgt	ggcccagaat	taaccataag	atcttaagca
134281	aagtattctg	cttctatttt	ttcgttggtc	agatgaagat	aatgatataa	gtatatgaat
134341	tatgagtatt	attgttagta	atgagagttc	taagcagtag	acacagagag	gtgccactcc
134401	atgcccttca	agaaaaggct	ttgtgcccag	ctgtggagtg	gggtggtcagc	agacagcctt
134461	caggaggcag	caaccttagg	gccagcctca	gtgtcagagt	gctgcttgcc	tgagctctcc
134521	cacttttcaa	gggtggccca	attcagtcct	tgaacaaggg	tgacagaagg	gctgtccact
134581	tcagcctaca	caggccgcca	ctgtactaga	acccttgctg	cattcacaag	gcttgccagg
134641	cctgcatggc	agttcagctc	ctctctctac	ccaaaactgc	ttcctcccc	ttccttttac
134701	aagtaatgat	tcctaataaa	catcctgtac	cccaaattct	atcttggcag	tgcttctaaa
134761	gaacccaaac	catgacactg	tgctttctta	ctttggagat	attaactagg	tcattcataa
134821	acttaattac	atatttgaag	tgccaagaac	aggcctgttg	agtaacttga	tttgaagttg
134881	ttctattaat	taacagaaag	atatctttat	ttcatatttt	aaacaaatca	agtcctagtt
134941	gatagccttt	tttaattctc	atttaattat	atgccaagtt	tgaacattca	agtttttata
135001	ccagataact	ttggaagaaa	gttatgaggg	taaaaattaa	aggataaaac	taaattggga
135061	catctaatat	aattagagtg	tcatttcagt	gacaacaaat	acatttcagt	ctagttttta
135121	atgtgttaca	caaagctggg	tctataagtg	cttggcatca	ataaattaac	aaccagcatt
135181	tttgccagca	aagccagcag	catgcatata	aaaccaacaa	gggatattag	gccactggcc
135241	aaagctttat	acaactagtg	tcacttaatt	tagttctcat	atcagagtgg	aatcatgctc
135301	gttctggaaa	agtattttct	ccaacctctc	cggaaaactg	aaattaatat	atttctctgc
135361	ttgcttatag	ccaacactac	aatttttact	ttatctaaat	ctggaggtaa	tgtttaaaga
135421	ctgtaatttt	aagctatcca	agtgaggata	agtttttaaa	cattacatgg	atagtgggtga
135481	taacaagtga	aatggtcatt	ctaaacctct	aaataatatg	accactgaat	cagatatgca
135541	tagagcccaa	aaggctcttt	cattcaacgt	ccagaatgta	ttcattcaaa	tattatttag
135601	tgagcaccaa	ctatgtgcca	gtcaatgtct	gggtaggcag	agctattccg	atagtggtta
135661	tcttgcttgg	tgaacagaaa	caggaatgca	ggaaacaaat	tctgccaaaa	gatccctaca
135721	cttaagaaat	ggcaaaaaat	atactcctac	atatttaaaaa	taaatgaaaa	gaaccatata
135781	ttagatgcaa	acaaaagatt	catgattatt	ttctctcttt	tgtctttttc	tttttctttt
135841	tttagagaca	gagtctcgtc	ctgtagccca	ggctggagtg	cagtgggtgcg	atcatagctc
135901	actgcagcct	caatattatt	ttcttaatgg	tgtccaaaag	aatactgaag	aaaggtcagc
135961	ctggaatggt	gaacctact	tatttcatag	gcagaaacag	ctgccaggtt	ttgggtcaact
136021	gctgtcttac	taagactgcc	aaatggaaa	cccaataggg	ctgccatggt	atactgcatg

FIGURE 1 (continued)

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136081 tcattcaaatt gttaccaatc acttaacatt cattgtaaat actgagtgtt taggaatgcc
136141 acagaaattc tggagagtca caaacttcta aagggtgctg aagcacttac gcaacatttt
136201 tataagcaaa atctgagaag tatgatacta tttttcattt tagaattcag tcatattctt
136261 cactaaattc aaaaccaaac cacatatata ccactcaggc cagagggagg ctgaaaaaat
136321 aacacttgac aaactgacag aaaaatgcta cctcctgcag agaaatagag gtgtttaaac
136381 aaatcagggt gattcttggt tttattaatg tgtaatcatt tacaggacat acttcatttg
136441 caaagaaaaat acttggttcac caagttgaaa gatgaatgat aatcgctttt tgagcatttt
136501 atattaactg gattaaggta gggaaactagc agaagggcaa aaggcaaaat ttaacaattc
136561 ttccataaaat ttatttgtca atttttttgt gttccagaga agaaaataat tttttttcac
136621 gttttccatc actcccaaac aatttttaaac agaaaatttt attattttat ccttttagttc
136681 attatgatga attaaatact tgataaaagg agaaaagtaa actatctttt tatgttgatt
136741 ttttttaaaa agaaaaccaa ctgtgtggaa tgagggaatc agagactaat tatatgaaga
136801 ctatgttaat gtttaatttg gttatatatt aaaaaacctg aaggctcctg cagactgttt
136861 tcattctatg ctactacccc actcctgggc gcaaccacca aatttttagt ccacctcat
136921 aaatgccaag ggagtaagtt tatttttccc aaggttcaac agagatctct tgtgcttagt
136981 ctgagggcag tggagtccctg cattaatgca tatttttatt aagctctcac tttagtttag
137041 catgcaacag atattttcca aaggttttta taaaccttcc tagttttctg acttaaaaaac
137101 ccaaaatata gtcatgaagc ccacgtatct aaatattcct gctccaaagt gaataatgca
137161 aaaatctctc aaagttacca ttctcatcat taaatcattt tagatttaat tttcagtgc
137221 aaataaccaa atagccccc aagtttccag aacctgttgc ctcagcaggg agctagcctt
137281 cccaaagagc acagagaatc caactagagt cacctacca ccaggctctc ccagatacag
137341 gttccacaaa ctttctgca tccagaaaat ataggaagag ataaagacct gggggaatag
137401 catttgcata agcagcgggt atgactgtgg gttttggagt caaggagact agcgactacc
137461 tcctgatttt gccattact aattgtatga cactgggcta gttgctgaat ctgtccaagc
137521 tcagcttccc tgtgtcaaga tgaaggcgtc aagatgaaga tctgctttag ggaattcggt
137581 gagaatccag caagatgctg agggtagggc attcagcaca gcggtgcct tagcagtgtc
137641 ccatgaagag gcgattgctg tgattactgt cgtcctcaac attgtgatca gcccaaacac
137701 ctacatctgt cagctatgct tagaaagggc ttggctgtga gcaacactat tgactgtctc
137761 tcccttctct ccaggaatag tacagacaag atagaagagt cagtgggtga gaactaagag
137821 gtaagaatat ttgggactg cgttcttta taacacttag gaattaaagc aattggcacc
137881 ttgagtacac tcaagggaat atcagatcag tggcttgaat gtgcatccag tatacttgg
137941 aatgcaaaaa ttaattatat ttgatggcga tataataata atagtaataa agatacactt
138001 taacacaaca acctcagagg taatatcaca cagatttttc agataactca cggtagttat
138061 taaaatttct gaagaccaca tagctggtaa ggagaagagc caaaattaga atctaagtct
138121 gtttcattcc aaatgttcac aatcactgta atctgttcca agtgtcctcc caacaagcta
138181 gaagcctcat acaaaaccac tacatgatgg aatcagatgg atgagatggg gtaggatgga
138241 aactcatggc atgctcaata cagaactatg tggcctaaaa aaccagaaga aatggtcagg
138301 ccttctacag aacattccgc acaaagtgtc aatctaaaat gagggccatt aatcatctgg
138361 taattttaag atcaaacac tgagaccaca ggataatcac ggaacttgct agtctagaa
138421 cgtatggact ctaacgcata tgtcagtcac gacatcaagt ctcaacaaca aaaactgcc
138481 aaaagggttc tgaaaaagag aaactttaag aataacaatg aagaacaaat acggacattt
138541 tttaaaattc tctttttact aacctaggag taaacgcaac acagtctcat aaaagcaaat
138601 atcaaatttc cttttttaac tacaaagtta gattaatcat aatccttagt tcgtaacaca
138661 tatgcttttt gtttaagagc cagggtctca cttggctcatc caggctagaa tacagtgacc
138721 caatcatagc tcaactgagc ctcaaatccc tgggctcaaa gaatcctcct gctcagcct
138781 cccaagtagc tgggaccaca ggcacacgac accacacctg gttatttttt tttatttctg
138841 gtagagacga ggtctcgctt tgtttgcta gccttgtctc agactccgct cctcaagcaa
138901 tctcctgcc acagcctccc aaagcactgg gattacgaag atgagccatt gagcctggct
138961 cgtaacacat acatttatct ctccttaatg gtccatgcac ggctgcctt tatatttaac
139021 catttatatt ttatgcatgt atttgtatgt tttagataat acgatacacc ctcatgaacc
139081 caccacctga cacaagaact agaacattaa aaatttacac ctatcaagt tttctcttca
139141 acccactgc attaaactgct atcatgaata ataataattg gcttattttt ctatatatat
139201 atcatatat ttgtatatat cttaaaagca tttttttagt tttagtttta attttaacac
139261 attaaaagtt taaaggagaa aaaggatgtc atataaatag attcataaaa gcatttaata

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FIGURE 1 (continued)

139321 aaatthttata taaatccctg atataaactt tagtaaatta agtatagaga agggaaacatc
 139381 cttaaccgga cccgatttaa tttttttttt tttttctgag acagagtctc gctctgtcgc
 139441 ccaggctgga gtgcagtggc gcgatctcgg ctactgcaa gctccgcctc ccgggttcat
 139501 gccattctcc tgcctcagcc taccaagtag ctgggactac aggcacccac caccacaccc
 139561 agctaatttt ttgtagttht agtagagaca gggthttcacc gtgttagcca ggatggtctt
 139621 gatctcctga ccttgtgac cgcgcgcctc ggctcccaa agtgctagga ttacaggcgt
 139681 gagccactgc atccggccaa aattaagtag aattctagtc aaaatcgtac atgggtcgtt
 139741 catggaactt gagaaggtag ttttaaaatt cacatggtaa aacagccaag atactthtga
 139801 aaacgaaaaa caaggagggg acctgcaccc tatcagatat cagcatttct tacaaggcta
 139861 agacaatcta actctggaca gggagagaca tattgacctt tggagtagaa gagggtccag
 139921 aaaaaaaata atcccacaca tatgcataac tttaatatat gacagagatg gtgagthttat
 139981 gtgaataaaa atgaaaactg aacctccatt ttacattaca caaaaattaa ctccagatgg
 140041 attaaggact taaaatatca gaagcatatc tttaaaatgt ttagtggaaa atatgthttt
 140101 aggaactctt tctgaactcg ataaaaaagt atthttttaa gacacaaaag taccattat
 140161 aaaacaagat acagtattag taaatthgac tctthttaa acaaggacat acgaccatca
 140221 aaagtacact tataaaaaagt ggaaaaaagc taaaaactgg gagaggatag ctcccatctg
 140281 tataaccacc aaaagattag aatcaagaat atataaagaa cttctataat aacaagaaaa
 140341 actcagacaa ttcaaaaaaa actgggcaaa agacatgaat aggtctthtt tthaaagggt
 140401 ggggtggaata tatttagacat aagtatttga ataaatattt gacctatta gtgatcaggg
 140461 aaatgcacat caattataaa ctacataat tggcaaaaat tthtaagtcg gatagtagcc
 140521 agtgthttca gagaatatgg atgaaccaga tttcttaaat attgctggta ggaatgtaaa
 140581 ctggtacaac tactthtgaa ggcattattg cattatctta taacattcag atactctata
 140641 tctgtatata tacattctc tgtgccattc ctctgtgaaa tgcattctc ctgtgaaaac
 140701 tagaggaaat thtgtacatg tagagcagat aacatgtaca agaathgtta tcacagtagc
 140761 attcataacg aaaatctgaa aataacccaa atgtctattt gagaaaatgc agaaataaat
 140821 ttaggtacat tctcactatg gaatgttata cagtcctaaa aaagggtgca cactgcata
 140881 caaaaatata gatagatctt ggcagcataa tacagactga aaaattaact cctgaaagat
 140941 gaccaatacc aagatactct tttatcaaat ataaacttaa atataaaatg taaggatata
 141001 ttaaaccagg gatcaacgta acaatcaaac tgaaatccct acctcaataa aaactgatct
 141061 taaaagtaca aacctccaga atthccatgg tgtcatatgc agtctcctc acttatttca
 141121 tgtgataaag ttctgcattt catcaagatg aagttagatg caaatagata aaaccacaac
 141181 tgtacagcag tagatattac acctctctc attatttatt aggaatagtt tgctgtctca
 141241 cttaagaatg aatatcttag cgtthtgaa ggctgaggca ggtggattgc ctgagctcag
 141301 gagttcgaga ccagcctggg ctacacgggtg aaacctgtc tctactaaaa atacaaaaaa
 141361 aaaaaaaat agcctgtcgt ggcagtgtgt gctgtagtt ccagctactt gaaaggctga
 141421 ggcagaagaa tggcgtgaac ccggaaggcg gaggttgag tgagccaaaa tgcgcact
 141481 gcacttcagc ctgggtgaca gagttagact ccatctcaa aaaaaaaat aaaaatgaata
 141541 tcatacctca tacactcagt cataaagagt cttgagaaac tagtggaacca gaaaaatact
 141601 aggtgtatta tctgaaaaa gcacactctg gaaaacagct cagtcacatc attcatcttg
 141661 ccacaataca gtgtccatct gtgaccattt ttgagtgaat aaggtcatac atttgcttaa
 141721 agataatttt tgggcccagt aaggaaatct cthtagctc taaattagaa gccagaggag
 141781 cctggcagcc ttcacatgtg agaaacctat tgagcagtag atagaataat tattcttgaa
 141841 gactgtgtgc tctggatata ttctgaaga ctgtgtgtc acggagcagc tcagtgtctc
 141901 gtgaaaggca catttgctt cccaactctc agaataatc aaaaatgagt thtttccct
 141961 cctaaatgtc attagcatat tctgataata aacaactgtc tthaatagcc agatatttag
 142021 tatagtagtt atacatatat agagatgtag cactcagcc tattgtctg aaaaactggaa
 142081 aatctgtctt tctgtctcta aatattaagg aagtacatag cagatgtgtg agaactgtga
 142141 aaattaaatg taacaggatt acctagatt ttcacttact ataggthtt agattccatt
 142201 cttacatgac ttatccacac tgataaagaa tacgcataaa attagtgtct thttgtctt
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 142321 actgttgcaa gtgtcagagt agtthttat ttgtgagtg cagaaagtat caagacacta
 142381 ggagagggtca gtttaaggag ccccatataa actatggaaa tgagaatatg gtacaaagggt
 142441 agacaaattc cttgttacag aaataaggat atcgaaatga attaggttht ttggatcaat
 142501 aatgtcaaaa accattacgt atgtgattca ttaaatgcaa taacaaaaat aaaaatattt

FIGURE 1 (continued)

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142561 ttctttttcag aaaagtattc catgatgaaa tcagtagatt tcaaaagaac aaacatacac
142621 attccaaaac cacttgcattg tattgacaat gttggtgaca tatgaattca tatgagcttt
142681 ctggagagaa caggcttgag cttccccata tatgtttctg tectoccaa tgggctgtga
142741 gttaagaaca gggactgtct tattccttgt tgtatcccaa ggggtgtgatt caattctggg
142801 gcttagaaaa ttttttttga ctgaatgaat gaacttggta ttatatacca agcactttta
142861 aaattatttt cacacccctt taaaccagta tttctacccc taggaattta tctgaaggaa
142921 ataaccagag acacaaagac acatatacag gatgtttgtt agagtattat atctaatagc
142981 acaaaatcta aatgttcaat cacagagaaa tgataaaatg tcataaatca cacaaggaac
143041 gtagtactag gcagttattt aaaagtgtgt ttacgaccgg gcgtggtggc ccagcacttt
143101 gggaggccga ggcaggcaga tcacgagggtc aagagatgga gaccatcctg gccaacatgg
143161 tgaaaccccg tcgctactaa aaatacaaaa attggctggg tgtggtgggtg tatgctgtga
143221 gtcccagtta ctggggaggc tgaggcagga gaatcacttg aaccagggag ttggaggttg
143281 ccgtgagcca agatcgacc actgcactac agcctagtga cagagcgaga attcgtctca
143341 aaaaaaaaaa aaagtctgtt tacgaagtat aattattgac aaggaaaatt ttcataatgt
143401 aacataatat gtccagtata ttttaatacat atatacacct agattctaatt gtattatata
143461 catatgcatg agtatattta tatctgtagg aaaaaaagtg tgaaaataca ccaaattggt
143521 aacataattt gctaataaat agaacttagc tgataactt taaaatttac aaaagtaact
143581 aaaattttat taaaaatgaa atataaataa ttttaattaa taaacatact ccatttgcgt
143641 atgtgctcta tctagaaact atccgacaac cacaaaaaag catttgatat ttagtcttat
143701 aattcagaaa tgagaccttc ataaggaaaa ggaaaataca caaatatggg ttaaccacca
143761 caagagcaac tccacaaaaa tgagcacata ctttaaaaat agtcatgcaa gtaaaatata
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144001 ctaattctta acaagggtat ggtattttcc ttttttaatt ctgttttacg ttatcactcc
144061 ctaaagtcaa taactgtatc agaattctgg gctcatctga tgaaaacatt ccatccctat
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144181 aaaccacaaa agctactaaa attaaacagt ggagaattga ttcactgata ggccagcaaa
144241 aggttttttag gttttttaat tctttgggta ttgttttgtt attgttggtt tcttttttct
144301 ttaatccagg gaaagtccct actacaaagg tctcaaaaca gaattgaaaa gaatggatct
144361 tgtctgggtg ttcagctatc catatacaca gggttcattct tcagcagagt ttactaagct
144421 gtttagtgtc tttgaatcag tttttctctt tgtaatttaa aacaagctaa atttgccttt
144481 tatgaattct taggaagttc tattctcaga taacctatat taaactttta agaaagatgg
144541 agaatggttc agaataatta ttacagttagc caagaagtcc aaaaacgcta acggctaagg
144601 aataaggaac cctgaatata ttaaaatcta gctttacaag ccaaagacat caagacaaat
144661 attgtaaggc cttgtgcatt tgtctgacct gttgcgccga caaactgaca ggggaagaga
144721 atacccaaat tctggtcata ggctcagcta ctattcagcc gagacaacct tggaatctaa
144781 cttaaaaaata agagttcttg gccagggtatg gtggctcgcg cctgtcatcc cagcattttg
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144901 caggccactg cactctggcc tgggcagcag aatgaaaccc tgtctctgaa acaaaaataa
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145021 tatgcaagaa tattgcagtt actgacagga atattttatgc taaagcattt taatgattat
145081 tcaatgcaaa aaaagtatta attgattaag gggggaaaaac aacattatca caaacaacgt
145141 catcacaggc atctccctag ctacataatt ttccacttgt cacaaatgca aattttaaca
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145561 caaaaaccaa caaaagatga gaatataaac aagtttacia aagtatctga taaatgcata
145621 gataatagag cagggaaccag ttcttagagt gtatttattc agagcatctg acagacaatg
145681 ctatagatgg ggtggcaggg actgtgagtt gcctcccaat gtctgttttc ttttgacatg
145741 gtatcataat ttctagttgc ccatacagtc acttaactca agactcattt cccagccttc

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FIGURE 1 (continued)

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145801 cttgctgctg tgtatgggtca catgactaag atttggccaa tgggatgtga gtatacatat
145861 tacgcacaac ttctcagtc tgcattttgc cctagttaga atctgattga aatgggtcaga
145921 gccatcttag gccatgaaat agtagatata tgagcatcaa ggtacaagga gcctgggtcc
145981 ttggtaactg tagaaccaca gtcaggcctg gaccttcatt ctagccatgt agatagtagg
146041 gaaataaata tctatcttgt ttgtaccatg attacttgag ttttctctat aaataacaat
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146221 tattcctatc ctcagaaagc caggccttat ggagaaaaga taactttctc agagtcattc
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146341 acagccacat acacaataaa ttccatttgc ctgggatgga gaccagccac gaccccttc
146401 taçaaagcat tccaagaacg ttgagtttta tgtcccccag atttaactgg catatcttca
146461 ggactgtgaa gaagaaaaaa aaaattgcat catagcacag aaatgaagaa agagtattac
146521 agccaagatt cacaggggaa aaagaaatca ttcccactgc cactccaata caatgcaact
146581 taaagtcatg ccataaagtt atacacccaa aggttttatag ttttttggct ttgggttttt
146641 gttttttgtt ttttttcagc agggaggagat tatagaggac ctttattttc tacattatat
146701 gtttttataa gggttgaaat ttttataatc atccagtatt acttttatca tctaaagaga
146761 caataaagat tttttaaaac atgtcataat gggatcaga aattttctctg cttggaattt
146821 ttttttttat gagaatgcaa ttgtaagtta tgattaaaag tgtcaaagtg ctagagaaat
146881 gtaattatag agataaaata ataaaagaaa cataccaatt tttaaaaatc tatttccaac
146941 tatattattc caatatggat ttaaagcagc ttataacaac aactacagta taacacagaa
147001 ggagagttaa gtgaaaaaaa ttgaaagcaa aaaggaaagt aaagggtgaa gaaataagat
147061 gaaaatgatt ccagatgtac agtcagtgtg caaaacacat gggctcaggt tctgtagcct
147121 tgttacagat accctgaatt ttttttctaa gcttcctagc agacaaggca aaaaggagct
147181 cagagtgtcc atcagataat aataagtga tgggttcagaa ggaagcaca ctgattttgg
147241 caccaggacc tactgagatg ctttctctaa tgagtcacaa gaatgaagggt gctttttcac
147301 aaaatgaatt gtgtgtccag acacaaacag gatttttttt aaatgttggg gccagttgc
147361 aagtataaaa gtttaataat ttgggggcca aaatttaact gaaagctgaa aggcattgat
147421 attatataga aatgcaaata aaatggcttc aatatagttc ctggacaagt ttccaaccac
147481 cttctccttt atacaaatga tatactgtaa tttactttcc ataattcact ttctttgcag
147541 atacttatgt cttaaatatt actgaccatt tttaaatatg caacactaaa atcattatgg
147601 tctgacattt ttatatgctt ataaaacaca ttttgttcta actgttttta ttagaagaaa
147661 tgtggcctgc tgcaaaccaa aacctacata ttttactttg gaaaaaaaaa agcagctgga
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147781 acttgactgt gttttcacag aaaagcagca ttctcagtgc aggcacagcc cagggcattc
147841 tcaactgctc ccaggaagg gtgagggggg gactgtgcaa gctgggggct cccggatgag
147901 ggctcccttt cacagggatc tctggaccat tgtgtctcta gacttaagaa tacagaaaac
147961 aaaattcctt ggaatttagc ctctgaggag gcaggcaaat tatgttaacc acaagcaaac
148021 atctacatta ctttctgggt tgtttccact accttccaaa ataaattgca atttaaaatc
148081 agatcttaga agactacata taacaagaca ccogtatatt ttcttttctt gcctcatgaa
148141 atgacaaaaa ttgcaaaaac ttttaatatg attttaaatt taatactcta atcacatgtg
148201 tttatattta aataaatggt ggtttcttaa aatacgatta ttcccaaact ctcttgctat
148261 aaattaaaaa acaaatggaa gacgaagatg ccagagatg attccagttg atggaagttc
148321 ctgggtccagt acagaaagg aaagagaata acaataaata taagtcaaaa gaagggtgga
148381 aacaaaaaac actggcagta aaggcatgtt ggtaccaggt gggttcttgg aaaacaggtc
148441 agcagaagtt aacaggggtg tcactagccc agtgagccaa ctgtttccaa aacactggtc
148501 caaacacaag cctacttggt ctctgctggc tggctccctta ttagagattt ccagctggaa
148561 cttcaaaaact tgatacaaac catgaccaag tgggctttgt catgggaatg caagactgga
148621 tgagtactca aaaaacaacc gatgtaatcc accagattat cagattaaaa ggaaaaacag
148681 tcatcatcaa tcaatgcaga aaagcatttg acaaaattca acatacattc atgattttaa
148741 aaaaaaaact ctcagcaaat taggaataga agggaccttc ttcattctga taacacctac
148801 gtctaacata atacttaatg gtgaaagatt gaatgctttc cccctaagac cagaaacaag
148861 gcaaaaatgt ccactcccac cacacctact tgacattgta ctagaagttc tagccaatgc
148921 aagaaaaaaa ctcaaggaaa agaaataaaa ggcatgcaga tttgaaataa attagttgt
148981 tcctattcac agacaacatg actggctatg gagaaaaatc caaggaatca aggggaaaa

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FIGURE 1 (continued)

149041	aattttctaga	actaataagt	catttttagca	agttcacagg	ataaagttca	acacaaaaat
149101	taaccattttt	tctatatata	cactttcttgt	atacatagaa	accaaagaa	aaaacacaca
149161	tattagaaac	caagaaaaaa	taccacttac	agtgttacaa	tttatactta	agtacaggtc
149221	tcaaaaagca	catacaggat	ctacatgctg	aagatgacaa	aatgctgctg	aaagaaatga
149281	aagaagacta	aataaatata	gaggcatacc	atgttgatga	attggacaat	tcgggcataat
149341	aaagccatct	gtttctacca	aacttatcta	taaatttatg	caatcccaat	aaaaatccca
149401	gcatgatttt	ctgtaggtag	agacaagctg	attctaaaat	ttatatgaaa	agacagaaga
149461	actggaataa	ccaaaacaat	tttgataaag	gaaaaataag	attggaaaaa	tcatataagc
149521	tgatttttaa	atttaatat	aagcaacagc	aataaagaca	gtgtggtatt	ggcaaaggaa
149581	cagacacatg	tgtgtctgaa	atttttcctc	ataaacaatt	tttaaaaaa	aaatttaaaa
149641	taaaccaa	ataaggaatc	tggaaaggtc	actgaggcac	atgagggaac	ttattaaaag
149701	gctggagAAC	agacactaca	gctgtgattc	ctgcctgtct	cattcgctca	ctcaaactca
149761	atgcttgcca	tagagcacat	agtcacataa	tagctgtctc	atgaataaaa	agtgaatgac
149821	gcaccaagg	aaatcttact	ctttttcctt	aaccctatag	aaggaaatag	caccaagaat
149881	cctaataaat	tgatctcctt	aattgaaaac	caaataagaga	aagctgcttt	aaaaataaat
149941	tttatttttag	aatgtcaaat	cctaaaatag	aatgtctttt	cctaaatacc	ccagcctaca
150001	ctgctttctc	ttttatgaac	tcctctagta	agtggcctta	acattttctta	atcaaatata
150061	gtgttaaact	gtcctcctgt	gtgtggtgcc	tgggctttac	catgtggtga	ggatggaaat
150121	agctgacttg	tattgatgga	gttcctgcc	tatacctga	cactgttcta	agtgtttcc
150181	actcaacct	gcaaagcaag	ttattagtag	cccctctccc	agatgaagaa	actggggcat
150241	agaggggtcaa	gtaacttctc	caaggtcaca	cagctagtcc	agggcagagc	agggactcaa
150301	acacaggcaa	tctggctccg	tacttgccctc	agtactgcct	cttctgagga	ccttgagaac
150361	ccagactcct	acaaatcaca	ctatttttct	gtatttttct	cagcaatgtc	cacctaggac
150421	aagggttgggt	atgcagcaca	tactttaaaa	tctaaatgac	tgggtgtgcta	tctgggctgc
150481	atttgcaaat	tccaagagca	tcttttaggga	aagtttttag	ttaaagtttg	tgtgtgtctg
150541	aagagccctc	ctgaactttc	tataatgttt	tagttaattc	caccatgagg	atttccatga
150601	caaaaaaaaa	ttgttcatgt	gtgataaaga	taaaatgtta	gtacttacca	gatgttaagt
150661	ttttaatgta	aatattgccc	aaaatagata	ccaaaacaag	actagcaaag	taaaaatcct
150721	cctggggaaa	attattttat	atctcagtga	aagtcctttc	ctataaatcc	ccccgccatc
150781	cccaacaaac	acacatagaa	agcctttgtg	ggcaaaggaa	acctcaaaga	tgtcttgcac
150841	tgagaaaaca	aaacatacaa	caccctccag	gaattctggt	ccttcttaag	atctctatca
150901	ctaattgttt	tggaaaacct	caatacaagt	atatgtttca	attctggggt	acatgtagtt
150961	taagggtaaa	gaaaagaaat	gactgtagtc	agccatccat	tgccatctct	ctaagtaggt
151021	atgtgcttac	tgaacacatc	tcctctgaaa	aaaaaatttt	tatacaaaag	atgagttttt
151081	ctattgatct	tttttcttct	acagcattct	actaaagaga	gattaatccc	aaaacaacaa
151141	gaaaggcctt	taatgaaacc	tcacagcagc	tggccatcac	ccaggcttta	gtgtgttccc
151201	acgatacact	ccagacattc	tgcattgctc	ctgtacatta	catgtcagac	cattccaatg
151261	gaatgggaaa	ctatgattac	actataattt	taacatttaa	cccaagtttt	tgtgtgacata
151321	attagctaaa	aatattagca	aaaagggtaa	caagagctgt	ccagttaaca	aaactaattt
151381	caaataacaa	atttgaggga	tgataatttc	agtgaccaca	aagtaaaagt	aaaaacttta
151441	tcctatcaag	gacagcaata	ggctaaccga	attcaccacc	tataagggga	ttctctagga
151501	aacccaccac	gggtacccaa	tttccactgg	caagaaagag	aacacagacg	tgattatgtg
151561	accactagg	ggcaccttca	cactgttcca	tctcaaaacc	atatttccac	ctccactatg
151621	gccttcccaa	agtattagca	gtataaaatt	caaaccagg	tgcctcactt	taacaaaaaa
151681	taaattttaa	aaatgagaaa	atacattttc	aattaaaaac	ttttccattt	aatttctaca
151741	tctaaggctt	tgggtgtata	tcacagaaga	atatctcacc	aaactgtcaa	tataaattgg
151801	tattctgact	ttatcgcccc	ttggcaatgc	attgttccag	tattacaatg	tagaactgag
151861	ataaatttgt	agcttcaact	atatgtgtta	ctgaattaaa	ataatttcaa	aagccctgtg
151921	agcaaaggct	gtgactaact	gaaaaacaa	atgggtggcct	ctaatacttc	ttgagtccca
151981	gcctatgacg	gcaagtgtca	agtaatcctg	cagactgggt	agaatgtata	tcatttcttc
152041	atccctttca	aataaatata	ttgaagtttt	aaaagatttt	ttaaaacagg	tctagattat
152101	gaccttgtag	gatctacaaa	caattagcaa	attcctcaag	acttgggtga	cattattaga
152161	ttcaaaggga	aagtctgagt	aatgggcatt	tcccttattt	ggaattatgt	tttatgtttt
152221	gtttgtgtgt	ggcaggagaa	tggggcagac	agttctgcct	acttgtctgt	atctatttgc

FIGURE 1 (continued)

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152281 aaaatatcat cccagtttca ggtagctaca aatggctggg tcccaagtaa accttttaaa
152341 tgtgaggttt ctcttggca atctcaatct ctctttttct ctccaatctg tgtccttccc
152401 tgctttgcag cctcttactc aataacactc ctgcttttga cacccaatgc cctttcacct
152461 ttctttcttt cttttctttt cttttttttt tttttttttt tttttttttt gagacagagt
152521 tttgctcttg ttgcccaggc tggagtggga gtgcaatagc gtgatcttgg ctcagtgcaa
152581 cctctgcctc ctgggttcaa gcaattctcc tgcttcagcc tcccaagtag ctaagattac
152641 aggcatgtgc caccacaccc agctaatttt gtatttttag tagaaatggg gtttcacat
152701 gttggccagg ctggtctcaa actcctgccc tcaggtgatc caccgcctt ggccctccaa
152761 agtcttggga ttacaggcgt gagccaccgc acccagcttt cacctttcta aactgactga
152821 ggcaagcgtc tagaatcagc catttctatt ctaaggtaaa catgagccag tcacttgag
152881 agttggtccc tacctcccat ctggttccct ggcactttgt atccacctct ttttcaggcc
152941 tgaatacctc acattgtaac tctctgtcta catgagggcc tectetacca agctaaaagt
153001 ttgtcaagaa agaagaccag gtcttaatct gtatgcccac aacctacca tgggtgttgt
153061 aaacattaag cccttaatca atgcttgttt aatgaatgta tectcttggc ttgcctgatt
153121 tacattttta gcctcttctc taactgtgga aagactttac ctctacctaa cacaggagtt
153181 cttaatttta gagttcaaga acacattttt atgtacatct atatgagcat ttttcagga
153241 aagaggttca cagccttaat gagatttcta aaggaatctc taactccaa aatttgaac
153301 caaaccaagc caaagaactt caagcactag gaatcagaag agaggcatat tattaggcta
153361 aggggcctgc caagcatcca tggaaactata ttggtaggaa gctaccaact ctgcttatag
153421 gtaatctctc tgaatacaaa gtagaagtag acagactagt cactgctgac aaaatcagac
153481 cagtcgatgc aatcgtatgc attcacaaaa tacacacctc aaagaaacca caacttcagg
153541 gagatgacaa tgatcagaat acagatgctc ctcaacttac aatgggctta catcctgata
153601 aaccatttgt aagttgaaaa tacagtaagc caaaaatcca tttacttaat acacctaac
153661 tactgaacat catagttagg tccagcctac cttaaactatg ctcagaacac ttatattagc
153721 ctacagttgg gaaaagtcac ctaacacaaa gcctatttta taatcaagtg ttgaatatct
153781 catgtaattt cttgaaagct gtacctaaag tgaaaagaag aatgttggtg taggtattcg
153841 agttaagggt tctgctgaat gcatatggct tttgcacat cataaagttg aaaaatcatt
153901 aaattgacca taataaatca gggaccatct gtactatgat ttctagaaag ccacaaactt
153961 ttaaaactgg gtagcaaagg tataggactg cagagaaaaa tatctatttt tattccagat
154021 tctaagtcct atgcagaagc acagccctgt tccacattga gtgtccaaat acatacaggc
154081 ctatgccctc taaaaccctg ctctcatgtg ctctgacctc gcaccaatc tctttgccta
154141 acacctgtgg gtgaggtggg gtccctctcc agttttgtgc ctgctaagta gagcccacca
154201 ctggaaaaat tttcataggc taaattttag tgaattacta agaacaattt aaaattgggg
154261 aagtgtattt tctagaggtc tgtttcacca agaattttca gtggcattaa ctagtgtgga
154321 tgagttattt gacatatgaa gatgtcaggt agatacatcc caggcctctc tgacctggac
154381 tctctgactg actaattata aatcagaggt tcccatgate cactcttcag gttcaacaac
154441 tagaatgact ccagaactc aggaaaatag ttaacttact attactgctt tactataaag
154501 gatactactg aggaacagcc aaacggaaca gatgcatagg gagatgtacg tggaaggagc
154561 acagaatgtc attgtcctct ctgtgcaccc caccctccca gcacctctac atgtatacca
154621 acccaaaaagc tctccaaaac ccatgattta ggggtgttta tgaaagcttc attatatagg
154681 catgattgat taattctttg gtcattgggt atgagcttaa tctccagacc ctctccctc
154741 cctggacatc taggggtggc tgaaagttcc aaccttctaa tcatgctctg gtctttccag
154801 tgaccagcct tcatcctgaa attatctagg agcctccagt caccagtcac ctcatagca
154861 aacaagacac tcttttcaet ccagagagtc caagggtctt agaaagtctt gtgtcaggaa
154921 ccgaagacca agaccaacta ttataacaaa agttgtctct atcaccctc tcaactcagga
154981 tattacaaag gtttttaggaa ttctgtgcca ggaactgggg acaaagacta aatatgtatt
155041 tcttattata tcacaatatc acacataact aatcaaatta ctgtatttat aataatagta
155101 agattagtta tctaaatgtc cacacaaatg gcataaatca ctgaagtctt caaaaagaaa
155161 atgttagaag caaatggaga atcatttgag tccattatca tttctacct tctcttct
155221 gatacggctt ttcttgagtc attcatttct catactgaaa atcactcatt caaaaccagc
155281 ctttttaggt gaaggtcagt acccatgtat taggctttaa tgttgggatt cagatgatat
155341 ggagtggagt ttttctacca taaaggggaa gatatttgaa taagccttta agaagagaa
155401 agtgaaaaac aggaagaat aacatgtgca aagattcagt ggcataaaga aggtttgtat
155461 gttaggggaa agcaagtagt tcacagtggt gggcacgctg ggtggactgg gagctatggc

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FIGURE 1 (continued)

155521 gagagatgag actgaaaagc gtacagccag ccagggaaatc tggattcattc ttaaattggtt
 155581 acagggccat tataggatgt taatcagggg agtgacatat catatttgca ttctggaaaag
 155641 atcattcttg cagcagtggtg gaaatggact gaggagacta gttgcagaag gagcagttaa
 155701 tgtggtaaga cagagataaa ggatttgaaa gacattaagg aggaagaata cacttatatg
 155761 actcccttca taactgtggg gtaaaaatat agtccaatct cttcttttcc cagttcattg
 155821 gttttgagac cccattagtc tatgttatta gcaacaattc cagtatctcc ctctgaagc
 155881 tgctccacag ccctacccca aattgttgaa aaatgctgag gtctgtcctg gttccaaata
 155941 ccaggctcga acagaataga aagcctgatg agtccaagat gagtccacat ttctagctgc
 156001 tgcagctcct ggtaaaacca tagagttgtt acttttgctc attgtctgcca caaaccttg
 156061 tgttccagat ccctgcaaag acaactgtga tgcctcacac ttgggatccc aggggactgc
 156121 tgptttacct taactcatat acactgtcaa aggatcgata ctgtgccaga aaccaggct
 156181 cagccacaag ccctccttca tgagcctaga aaggccctaa tgctagccag ttcaacattc
 156241 tcctttctcc atagtgaagt tccctttggg ccccttggag tcctttcttt ccaagggacc
 156301 tctgctggga caacatcaat ccatcagaga ggttcgagta aaactgagcc aaaaaagaga
 156361 aaggagctag agttggactg cctttcctcc aggaagttcc ttggccctta tacaggcaat
 156421 cagcactgtg agactttgtc tcgccacca tttcctgtca ctcttctccc agaatcatgg
 156481 ttactcattt gcatatatt tgcataatta atagggttaa gtccagtctt tggggaaggg
 156541 tgactttcca tgtccacct aagagcaagt gcttgacat tcctcacaat ttagaaaaga
 156601 aaagaaaaaa agaagtgaag tctctgtctt tagtgactaa gtatagggg atgcaactgc
 156661 tcctgttctg agtgccagca acaggcgagt ggcccagat gaaagtcgcc ccactgcaag
 156721 gcttgggccag tgactggagc ctctgtgtga agaagaagca gtgtgccagc aagcaccatt
 156781 catcaaatgg aacacagcag atttcagcca cttctttccc tcagccagtc acctctggac
 156841 agtgtacagt gacgcagtgc tctgtcctga aactaaggca gaatgttctt ctcaagaag
 156901 ttaggttccg ggatgagtc gtggcatcag ccaattaaag tcctttccaa agagtctcat
 156961 ctattaaaga agagagatcc tgataagata aagatggcag aaggggactg tttgatgggt
 157021 acactttttt tcatggggct ggggaagtac tggactgaaa gtgataaagt ctctcaacta
 157081 atgtgactcc ttctagctc agaaaagaga attatctgtg aattctctca cctctctga
 157141 agtgccagtt accaggggga cagtcatcag tctatcttct ttatacttct tcaagaggc
 157201 ttaaagccct gtgagggggg agatagatag atagatagag agcgagtgat agatagagaa
 157261 ttttaaaagc tagactagca attactcacc aaaaagaaaa aacaatttcc tgttttgtgc
 157321 tgtcagtaaa atgtaaaatt ttacagaatg cccgcaagtg attctcttta agtgctgcaa
 157381 aaggattatt ttctacaaag tcgaaaaaaa aaatttttaa tgctgatagg aaaagatcat
 157441 cttattaggt gctttgtaat gtagggggaa ctccagtcaa taagcagtgt gaggtggaag
 157501 gaaagaaccc ccagagggag atgagacttg tacgccacac cagctgcact accaactatg
 157561 tggccttcag tgaccacctc acaggaatcc ttcagttacc cactggagg gctacttaaa
 157621 taccaaacag aatagcttat gtgtgaaatg ctttgcaact ataaacgatt attcactgc
 157681 attataatta tgtttctaca aattgtgctt gtcagttcac atccaaaag gacctaaaca
 157741 ttagacacca ttttacaat tataaaaggt cattatgaag ttctgaaata cactctggct
 157801 gaagaaaata cagagcactt taggaaaaaa aataacacat catccacgtc ttcaattcta
 157861 catcctaaat aaacagttta atcccatcac ataacacagc aaagcctgtt atccgataaa
 157921 aggagagtac taaacctca atttaaggac cagttacaac tgattaaagt aaggatactt
 157981 ataatttagt gtgtaagaat gtatgctgaa atataattag tgctatgaa ttaaagcagg
 158041 atggattagg ctaattcctg gaatgctatt agagagaaga ccctagggtt aaaaaaaaaa
 158101 gaaagaaaga aagaaagaaa agaagaagaa aaaagaatga tctttgtgtt tgcacagcag
 158161 ctaagccgct taatgtccct ctaatggatc tgaatgggaa gaaaggggag aaggggagtg
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 158281 tgggtacaag gcagaagggg ctgagttgca tgcctcctgc tcacttccca gcttaattta
 158341 tatggtaatt agagctctgc tgccagaagg gagagcatct gccaaaagta aagtcctcac
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 158461 tctccttttg aagccataaa gtgcattcat gttattacta gtcgggaatt tttaacagtc
 158521 ttgactgac agcaattatt taacacatgc acaaaacaat agagtttcac acccagtaat
 158581 caacctttga gctccgtgac ttccaatgct ctactggct ggattttatg gctgtgtagc
 158641 tcctgaacag ccaagtatat aagccacaaa aacagtataa aaatgatttg aagcaaccac
 158701 ttctgtgccc cttgcagatt tatttaatga ctgaggcaca ctccatgatc atgggccaat

FIGURE 1 (continued)

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158761 taaaagattt gtctgcccac cttattcget gtgtttgact gctacaataa gtctctgcga
158821 aggaatcaag ctgaacgcat gggtgttgac ctgtccctat atccaatttt tccaaaacat
158881 cagccagaat aagattttaag tatttttagca atctatttaa ggtggactat attactacct
158941 ttctcagtaa aagaattcat tcaaatattg tatttgaata tcaactctgc taaggcccaa
159001 aatagaatac tatatacaaa ggagaagaaa atcaagaaaa ctgctttcag gtatcatcta
159061 actgaggagt tgtaatcaaa taatagtgat agaggctgtg tgtgtttaaa gaactctcct
159121 ggaagtcaga tgtgggttat ggacaagtca ccaaagccct atgtctgggtg tccttatctg
159181 taacaataga ggtagtgata gctatgccac ctgcctctaa ggttttcatg aagatgaaac
159241 aaaaactgaa ggaacataga agaatagatt ttaaatattc tcatcacaaa aaaaaatgat
159301 aagaaggatga agtgatggat atatatttat cagcttgatt taatctttct acaatatata
159361 taqatatcaa aagaccacac tgtaccctat aaatatattc aactattatt tgtcaataaa
159421 atttaaaaaac tgcagtaaca agcactttgc aaactatgat gcactatata aataaaggaa
159481 taattattct ctgcaaatga taccaagaga tttatttttt ttttttggcc actctaattc
159541 aaggatttta gtatgtaacc atcatagcca tggagacctt gaaatctaata tgcatttact
159601 aattttactat gagttatcac taggaattcc ctaactcagt atcaagaata tagaaatcag
159661 aatatcaaag ttttaagaat tatgaaattt gtctaaaggg aacatatggg ttaaaataga
159721 tggctaaaac cagcaagcat tataaaaaca agtcaacttt taaaagactc aaattatata
159781 cacaaaatcc tcagtcacta tgtaagttca tgactttata catattttac tgcaaagttt
159841 gaattatatt atgactcatt tttggccggt catgggtggct cacacctgta atcccagcac
159901 tttgggaggc gaaggcaggt ggatcacttg aggtaaggag tttgagacca gcctggccaa
159961 catggggaac gccgtctcta ctaaaaatac aaaaatcagc tgggtatggg ggtgggtgcc
160021 tctaattcca gctactcagg aggcagaggc aggaaaatcg cttaaactcg ggaggtggag
160081 gttgcagtga gccgagatca cgccactaca ctccagccag tgagactccg tctcaaaaaa
160141 aataaacaaa caaataaaat aaaaaataaa aaaaagatat atatatataa agactcattt
160201 ttaaaggcat ttttagtcaa ctagttttga gtattaaaaa catacttaat gtaagtcagg
160261 tacaatatag aaaggtcata atcaatcaca taatctcttt cttagcccat ttatctgccc
160321 atacatctgt aacagagatg tgcgtcagct agggtttaca ttttcccagc aaacggaatc
160381 atagaacaat aggggttttag agctctgtct tgcttttatg taggttgtag ttccctaaca
160441 tttgcatatg ccagcatttc acctattttc ttaaactgca tgcaataggc atgccatgcc
160501 caccattttg aaaagggtact agctgcctac ctgggattag tccttgacct ctacatcaaa
160561 atacacttct gggtcattgoc tttgggtgtt aattgccttt ggtgttctct gtcagcctcc
160621 cctccatggc tgccaatccc catctgtacc ccgtggcacc cagtacccaa ctgttctct
160681 tctgcttgcc tcaactctgt ccttctctct aaatgataac tcacactctg cctataaagt
160741 tttcttgcca aagtatcaca ttctacttta cacactttac cttcaaagc ctttaaatta
160801 ttgtttatat actcccatga gttatattta tttgtgtccc ctatataatt ttaaattctt
160861 atggacacaa atttaatggt actatttttc acagtcaaat tcaatattac catattactt
160921 tcatatgcag aagtatgaca atgggtagac ttcccacact atgcaaattc ctgctttttg
160981 acagatagtt aaatcttaat acactgttag gagccactg actacgggac attgtttgag
161041 ttgctaagaa aattttctga aggataatct taggccattg atgttgatca tgtgtgtttg
161101 cacacaacgt agagatagaa taaataaaaa ttaaaccagt gagcttacta cttcttgcta
161161 acattcaatt caaatattaa aagtagactc actcaagaaa aaaattacat tcctctatgt
161221 ttttaattgt cactgcttat ctaaaacctta gatactaaga aatgaaggta agaagagatt
161281 agcagcaaac ttcaaaggta gtagcaggcg ctttcgcaag aacataatta gatggtgatt
161341 tcattgacat tacttactca aaacacctc tagagatgat gcagggtta tacatgaaag
161401 tatataaatg cttttgatgg atcacctcaa gaaacaaaaa gcaggctgca ataccagca
161461 tatattttct acaaatgact ccatatgaaa ataagagaga aaaatagcac cttgcaaaac
161521 ttttcaatat tgtagaacag taaataaaat taacacttta gaggtagtaa aatctgtaac
161581 atatgtgaca aagagtatat gttttaaata tataaagaca gctttccaat acaaaacgaa
161641 aagaatacct taataaaata aataaatgaa aaaagatata aatgggcaat gcactgaaga
161701 agaaacacaa actgccaata aacaactgaa aacatgtcca aatttactag gaacaaaaaa
161761 aatataaatt aaagcaacta tatcattttt aaactctgag attggcagaa aaagaatact
161821 aacactatag gtatagcact ctagaatatt cttagtgcac gaataaatta cacaacctct
161881 ctggaggaca atttggcaac acacagccaa actctacaca tacactctca gcaattccac
161941 ttaagaatat atcctaagac aataattaaa caaatgctca ctctgtcatg gtttataata

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FIGURE 1 (continued)

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162001 acaatattgg acattactag aaatgaacag agaaaggcct cattcaatag acacactcat
162061 atagtaccat aatgtattgt taagtgaaaa agcaggctat aaaatgtatg tagaatatga
162121 tcctggtttg taaaaagaca aaaaaaggag gaaggaagga gaggagaggg aaggagattg
162181 aagaagagag gaaaggagga gggggaaggg gtgtctgtgt gtgtgtgtgt gtgtgtgtgt
162241 gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gttgggatgg ggggaaggtaa gcatttgggg
162301 tatgtgtgaa tagggaaaac ctcagacagg atcatgacca agtggttaact atgcttgtat
162361 gcataatttt tcttttcttc tttatatatt tctagaatgc ctgaatgcc ccaaaagcta
162421 ttttctactac gaaaataaat ttaaactgta atcacatttg catagccact ttataattaa
162481 agagaaatct tttacaaat tctccatcat tatcttcaga ggcagtcagt gattatttct
162541 agttgggtac aagagaacct ttcacattca caaagtgtgt ttctagatat accaaacaaa
162601 aaqaaaaaca aaaaaaccta aaacttgctg tgtgtccaca gagactcttt aaaaatattc
162661 tctagtactt cccagtggga agcgctcag tggaggcagg gcctgaaacc tcattccatg
162721 tattagatac tggttggcca ataagaatgt gaagagttaa atacccttcc agaatactta
162781 atgtatggaa tgaactggga taaataataa ttacattagc aaatactgcc caaagaaaga
162841 tttctgagat attctaactt caggaatcaa atacaaactg agtcgacatc aagctcagca
162901 gcatataaga atgaagtaag acactctgcc ctgtgcttcc caaattcgtc ttcgctcgtc
162961 actcccaagt taagaaaagc ctataacaga aaaataataa aacaagaaag tttccatcat
163021 tttagataga cattgtgaat aattctacaa agacacactt ctctacttcc tcaatatgtc
163081 caagatgtga aattgagcgt attctttctt tccaagatt acacatatgg tttcaataaa
163141 tcttttattt caattttcat ttcttggcca tcatttttta gatcaaactc aacaacccat
163201 gtcagactca ctttaaaaac acacagctag acacttctat gggacctctc tcttctactat
163261 ttttagactc tcttagaate ttactaatgc ctgtttcttc tataccctta gaaaattaga
163321 atgttgggga aatgtttact ttaaaaaaaa aaataaacca atgtatctga gtgctacata
163381 aatcaccttt ttctactctg aaactgccct gtcaatagtc actagccaca tggggcaatg
163441 gagaccttga aagggtggctg agtccaaatc aagatgtgtt gaaagtgtac aaaacacact
163501 ggatttcaaa tatatatata tataaaatat taattgtata tatatataat atacaattaa
163561 taatgtttat attaattaca tgtcacaaat atgtttgact atagtgaagt aaatataatt
163621 tcatctgctt ctttttgctt ttttgatgtg actagcagaa gattttaaatt tacttatgtg
163681 gctgcattgt gtttctgttg gatggtgctg gtctggaatg ctagtctatc atgtcgagat
163741 tcttactgcc atttctgtaa ctctgcaaat actcagtatt ctctttaaat aataggtctt
163801 catcagtggc attactcaag agatttgctc cctctaccac actcggtaaa acacctgcca
163861 ctagttaact cttttcccca aaattaacgt ctgtgcttac tagaagcttt agctctactt
163921 taatctgagc actctgcact cctcgtgac agtgttttcc ccagcgggtg tctgccccct
163981 tgtgccacat acacttgagc agtggagtgg cgttatagtt tgccaatgct ggtggatggc
164041 gtaactttca gtttgggggt caaactcgct tcccacaggg caaacacact aaagtgccac
164101 cacaattccc ttgcaaaaact cattcattcc ctgaattctc ccagtgcacc aggaggaatg
164161 ttaaccattt tatacctgcc caaaagtggc ctactgtatc agttaggatt gctttcataa
164221 aagaaaccca atgacctgcc tggcataacc aaggttggtt tattttccaa cttagaat
164281 tggtcagagg taaacagata agaggtgatg caatagcttt atgatgggac aactgcccta
164341 gcctcctctg tctttccgac ctgccttgtt ggtctcaaga tgctcctga atgttcaggc
164401 agtgtatcta tgcaccaact aagaaggga aagatgaagg gcaaaaggca catgtcagcg
164461 gtttttcttt ttatcaggag acttctgctt ttatctgact ggccagaact aacttatgtg
164521 gtcaccttag ttacaaggga gtctgagaca gcatttttaa ctagaatttt atcagtaagg
164581 aagaacggga aatggatttg cagttgttaa tgtgtaccat agctatatt tcacaaatat
164641 tattgcaatt ttgttagaga tacgaataaa tgcctaggga taaggggatt aaagaaaaat
164701 ccaacaaaaat tcacaatctt aatgttggat acaaagtggg gagaatggaa actttgagaa
164761 tataatgtct attatgtgga tcatttctatt ttattgaacg tccacttttt tgaatagttc
164821 ttacaacaac tttcagcatg tatctttgtt gatagtaaaa gtataatcaa cctgccagta
164881 atatcttttc taaaagttta gttcatatta aatcaaatag ctgcttagaa aactttatcc
164941 accagtcaca gcctgctatt caacatggcc tcaactctact tttataattt tacttctctc
165001 tatttctctg catccagagt ggatgaaagc agacctccaa tgtgaaaacg agtttcttcc
165061 tgagtcattc gcaaaattcc acactcctgt cacctctctg atccaatacc aaattcagca
165121 ttccactcaa atttctgaag cactgttgtt gctaataaga accactgtct gtttttcaat
165181 cactgccact agaagatatt tttttaaaag acatagaaac atagcttcag tagttcacaa

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FIGURE 1 (continued)

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165241 gtattaaggc ctacaccatg ccaagctgag aatgggagag ctgcactgcc tgaggatgcc
165301 aggccctcag ctggggagcac tcactcactc actacgtgat tcactcccaa acaagagccc
165361 tgcagaaagc ctgattcaag ttcttggttc agcaaaattc aagtttctaa aatgtcatat
165421 atctttatgg cattggcaaa aagtcagaac tttctatgat taattcataa atgttactga
165481 tcaattctgt tccctgtaat ggcccaagct ttccaaaagc tggccctttt ccacaaagtg
165541 tcttctttct gtaacaccca ccccatctc taccaaataa aacctactc attcctcaag
165601 gttcaattct gatttcacat tttccacaaa gcctttccaa atcgctctgc tataactgtt
165661 ctctattttg atcaaatata gcactttatt tctatttctc tcatgtcatt tattttctgc
165721 ttatattttc gatcagtcct agcctctccc actagatcaa aagcttgact ctatactctt
165781 agcagagcat tttatttatt tgtttgcatt gaattaaatc tggatttggt ttgtctatgt
165841 gaagacaaa aagtaattgt gcaacatcat tgaccacaat gtttttttaa agtctgggtc
165901 caaattatga ctgtcaaaat aataatcagc ccattgcttt ccattttgag ctccagagaa
165961 aattactaca aacatatgaa gggatgtcct atggccttga gcacagagga aagattgccc
166021 accccagtgt ctatacaagg ctttactac tccactatgc agcccatagg tcccataata
166081 aattcagcag aagaatccag ttacacaacg attcttgagc atctgcaaag gatgaataga
166141 tttcctgaac ccaaaaattg ggacacagaa tctttgtgcc attccaggtg agttccatt
166201 taaaatacag ctttgattgg atgcagtggc tcactcatgt aatcccagca cttggggagg
166261 ccgagacagg cagactgctt gagccacga gttcaagacc aacctgggca acatagttag
166321 acctcacctc tacaaaaaat acaaaaatta gctgggcatg gtggtgcgtg cctgtagtcc
166381 cagctatttg gggggctgag gtggaaggat cacttgagcc caaggggcag ggggtgcggt
166441 gagtcaagat tgcaccactg cactccagcc tgggtgacaa agtgagaccc tgtcttaaaa
166501 aaaatttttt aatggatcag ggagcacact tatttagtaa acatagcatg tattccaatt
166561 aataaactgt tcaatgtaaa aagttggggg gataagaatt aacattctaa ggaacaaaga
166621 gcagaagcta agaagggcaa taagaagggc aaaaaaaaag ttggaaaaaa atccacctta
166681 ttggcaaaaa aataatattc ttgcacatgt aggttgtgtg tgattataat gtatctcttt
166741 ttcttctctc tgcccaggt ctcagaggct aacgtgctat tctagagaaa catataacaa
166801 cttttctctg actggtttga aaaactgatg ttgttctcac tagagggatg gtgcaaagct
166861 ttaaaaaaag tatagagtga tgaagggaaa atagatgtaa gtgccaggat cctgtttaaa
166921 ggatcaagga aggtctaact ccaagaatgt ccacttaacg ttatattttc attttacaa
166981 attctatctg gtttcatctt aaatctttgt catattctca aagctcattt tatttctta
167041 aatatattaa acagacatat ttacattct gaaatagacc actccaaact ctgcagtcta
167101 cgtggaactg actctatagt gtgttttttc aattaatgat tgcctatgat agtttatttc
167161 tttatgtgtt ggggatggga ggagtcctct accgtggatt caaggccctt cagttttatt
167221 tgtgggaatt tattaaggct tacgtttaaa ttattgtgtt cttccagaga gatttccctt
167281 tccttctacc aggagctggg attactgcca atccaagacc attttcaact gaacattcaa
167341 cttggcccta caggtgggtat gaactcaaac ccagagccta cttcatgca ggcttatcgt
167401 tggtaaactc catggggggac ttctcttttc cattcctccc acaaccaaag cagagacagt
167461 tatatatgtc cccaccatgc cctctccaga gcagattctt cctagtgttt ccactcgggg
167521 ttaaccattt ggtgtgctga ctctatgtgg gagctctgac ttgaccttta ccctgtcttg
167581 ggcctgtgtt cctgtgctcc ctacacatgc ctggttaaaa cccacacttt aggcctttag
167641 aggttaacag ataccacggg gaccaatgct tgttccaatg gtcacttacc cctcctgaca
167701 catagtgtct tgtcattctt accctccaag gaattccctt acatttctgc cagctcagcc
167761 atgcttttaa aactactttt taaaaaatat tttatctagc atgttcaggc ttgctttccc
167821 aagcacggtc tcccttaaca tctagtctgc catatagcta gaactagaac tctccgctcc
167881 agagatttgc acaggggctg taaacagtcc catgtggcat gttactaccc tgggtcaaca
167941 tccaaataac aggccttcatt tcaacctcta aaatcagtat aatgtttatg tttacatttt
168001 tcttttacct caatgctata ctgtttaaat atgggtgtgag tgtgtatcac atattataat
168061 ttttacaata attattttat ataattatac ttaattatat tcacatttat ttatttcttg
168121 aagcaagtac ctgtacttgt tccatgtaat cacacctaca gcacatggcc tctaccaatg
168181 aacttttaaaa accaattcag aaagcaaaag gtaagttatg ttaaaacctc actagtcgta
168241 ttacctatct ctagagcctc tgctcaacaa taagaattta aggaaaaata agtaatatata
168301 taaaacaaag ttactatcat aattgtcttt tttttttttt ttttttagat gagtttcatt
168361 cttgttgccc aggcgtggaat gcaatggcac gatttcggct cactgcaacc tccccctccc
168421 gggttcaagc agttctcctg cctcacccct ccgaataact gggattacag gcatgcacca

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FIGURE 1 (continued)

168481	ccacacccgg	ctaattttgt	atTTTTtagta	gcgatgaggt	tttgccatag	tggtcaggct
168541	ggtctcgaac	tcccaacctc	aggtgatcca	cccacctcag	cctcccaaag	tgctgggatt
168601	acaggcgtga	gccaccgtgc	ccagctcata	attgtcattt	ttaagggtgcc	tctcaagata
168661	tggcacatta	ttattcagaa	acagcacaat	gcctacacct	tctataacat	atcatctgca
168721	ttatcataac	acatgtgaaa	aaccataatc	cagaaccaa	catctttaat	aattttttaa
168781	atgtttacag	tataggtaga	atacaaagta	tatttataac	ctctcttggt	ccaaaataaa
168841	tttgaaactg	aaacctacta	atatatttat	aaattgatta	taaatgatag	ttgaaacaaa
168901	gtaagttaat	ggaaaaatat	ccaactatcc	ttaacatttt	catctcaaac	attaggagaa
168961	atatctaata	catgcagggc	ttaaaaccta	gatgatgggt	tgatagggtg	agcaaaccac
169021	catggcacat	gtatacctat	gtaacaacct	gcactttctg	cacatgtatc	ccagaactta
169081	aagtaaaatt	ttaaaaaata	ataaataaat	aaataaaaaa	atTTTctctc	caaagaactc
169141	cagctaatta	tgTTTTtaaa	ttctcataaa	ttatattgat	ctatgtagtc	aataactttt
169201	aaaaggttac	tgggtcattt	attcattgca	ggataattca	tgatcatcag	cgaaataacct
169261	ataactgtac	tacattctca	actattaaat	gataatattc	cattgcaagg	agTTTTgtta
169321	aggTTTctgc	attaaatgat	gtagaaatat	ataattctga	aaattttatg	ttctacttgc
169381	ttgtttcaaa	atgggcctgt	gattaaagaga	acaaattttt	taacgTTTct	ctgttaatgt
169441	acaaatctca	ctctccaaag	tttacaacca	aatgttttgc	atcattacac	acacctgcc
169501	ccacctacag	aaagaacaaa	agttgtatac	tctaaatacc	aattgtatgt	ggcagtgtta
169561	ttattttatc	cacattttcta	aaacctgtta	caagtgaaaa	aaagattaaa	ataattttctg
169621	cagtTctaaa	caaagacacc	aaagtataac	tatttttcca	attcggacct	tcattaatgt
169681	acgaatgcc	aagcacacta	gttggtcttc	ctatttaacc	acaaacatgt	caggTctgtt
169741	tggagtagtg	ttgaatgtgg	aaaagatgta	tatccggttg	gtaacagctt	aaaggTTTTa
169801	gaataaagcc	tacattttgtg	ggtggccaca	aatcttagct	aaaaattggc	tgaactatac
169861	ggacgtgact	tagagagggt	ggatttattg	aaatgttcac	aggctgaggt	gtcagaagag
169921	ttggccttct	gattattttct	gaaaaatcat	ttagctgtct	aagactttgg	tttctaattcc
169981	atggaactgg	cccaatgacc	tccaagcccc	tttagctgtc	acattcaaga	attctgaatc
170041	tatagcatgt	gtaacaattg	aaggtagact	ttccacccca	ttctctaagc	agaaggaaca
170101	ctccagTctt	ctgactgggg	ttcatatatg	cttatatcag	gttaaatgac	aagagcatgt
170161	cgaaataaga	atcaaaatga	gaggatttat	catcctttgt	cagccacatt	cttactctca
170221	atgctcagca	acagggtcta	gagtgcataa	cattttgatg	caataatgac	aatgcagttc
170281	acaaacaag	gccaaactca	gtggtttcca	ggaaactgaa	aagagaaaga	atgtggatag
170341	aaatagtaga	gacttcaaat	gatgaagaaa	atgaatgaag	ttcaaactga	gaatcaaaaa
170401	gagacagaaa	aaagacctaa	aaagtgtggt	caatgcattt	ggaatgacta	gaaccaggga
170461	aagTTTTtcc	taacaatact	aataaaacat	ctttgagagt	attttatcat	tagtgggac
170521	aatgggataa	ggTcagattg	attatttttt	attttaaagt	caaaaactaa	aatggaattc
170581	ttttgatttg	tgaagatag	gatcattatg	caacttcac	aaaggTattt	ttacctaac
170641	ctagaagtca	aaaatgttct	ttatttttta	aaaaaaacaa	aaaatcttta	ttgtcacagt
170701	ggaacactca	cacctctgaa	aaatgagaca	aatcatgaat	tattgttact	attcatttta
170761	attactcaaa	aagtccatca	ttatgttaat	ggattaaaaa	atctttaaat	aagagaatga
170821	tataataaaa	ttgccttaat	tatggctccc	ctttcttttag	gaataaaggc	aattttaatag
170881	aaagtagaaa	attatctaat	aaaggttaagt	tacagcacat	attctatttc	ccttcagatg
170941	gttgttagta	tatatgcgcc	aatatacgaa	tatatatata	taacatagtt	gataaaaaatc
171001	tatcttaaat	gtttattttt	atgtttctga	tcatatatatt	tcaattaaaa	gtcatatatatt
171061	aatcagggtgc	agtggctcac	acctgtaatc	ccagcacttt	gggaggccaa	ggcaagcaga
171121	tcacttgagg	tcaggagtcc	gagaccagcc	tggccaacat	ggcaaaaccc	catctctact
171181	aaaaatacaa	aacttagccg	ggtgtgctgg	tgcattgctg	tagtcccagc	tactcaggag
171241	gctaaggaag	gagaattgct	tgaacctggg	aggcagaggt	tgcagtgagc	tgagatcatg
171301	ccattgcact	ccagcctagg	caacagagtg	agactcggtc	tcaaaaaaaa	aaaaaaaaaa
171361	aatcttctaa	aagtcttcta	ttgacaaagt	ccacgtactt	gtcattttta	tcactctacc
171421	atagaattaa	atgggttaat	attatataag	ttgctttgac	attccttctt	ttgagaacat
171481	ttatttctctg	ggttttttgt	ttggttggtt	gtttggtttc	ctcgggcatt	attactttga
171541	aaatattcct	aaaagtagaa	ttatacaggt	caaaaatatg	aatcatatta	tagctgttgt
171601	tacattttatt	gaccaattgt	ttccaggag	aaaaaataac	ccattcaaac	agctaccaat
171661	aatgtccaaa	tatcgctgtc	ccaatcttta	caccactctt	actgacacat	aatgatatca

FIGURE 1 (continued)

171721 catttgtcat tcttttggct ggcctaacgg gtgtatatag ttcctacagg ttgtctgaat
 171781 atgaatttta attgctgata aggctgaata ttattccttg tgatgactca ctctattttt
 171841 cttaaataat aaaaaccact tactgagata caataagcaa tgatctcttg tacatgtaga
 171901 tgctttccat atttttaaac attaatat tctgtttat agacacaaca tatgtatatt
 171961 acagacagtc tgagatataa acaaaagcac aagaataata taaaaatcac ccataatccc
 172021 aacacacttt tccctttaa tactgtgtgt tacaaaaagt taatttcctt tctccgctc
 172081 cccatccatc ccgatccccg ctaaaagtaa ttactgttaa gcatttggtg tatgtatatt
 172141 gttccaggac tttcctatgt ttctttctat aaaaatagaa tcacactgat cattgtcttc
 172201 tgcaacaggc tctttttcct taatactcta tcacagacat cttttcaaga tacatagacc
 172261 tatctcattc ttttgatagg cagatgggtat tctaactctgt gtacagtaag ttatgaaact
 172321 ggggtcaaagc aaggcaaaag ggtcccagct gatatctgag gtatatacat tacaattttt
 172381 cagttacggt ctcataaggta actgccacca gtccccctgc ccccataggt atctgccacc
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 172561 cagccttccg gactggctcc atttcgcagc agggtttcca acctccctg ggctacctga
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 173101 tgaagcacat tgggctcagg ggacctgcca aggtcacaca gctactaagt gagattcaaa
 173161 ccccaagcag tctggccctt aaccaccaag cccctatat aaagcttata taataggacc
 173221 agggaaatga tttagagcag agtggagtta gaagactgga tgggcagaga agcctgtaga
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 173341 catcactggt atgggaaatg atggagagac tgtctgtggg ggctgtctta tgggtgctat
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 173461 aagtagttaa cctgggtgaa aaactcttat ccattggtaa agccactaca cctaatacca
 173521 tgggaaccaa ctaggcaagc tgcagggtggc tcagcacaaa ctcctgaca tgtgaaaaga
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 173941 aaccaacaca cacaaaacac actagtccct tctttgtctg gctaaataaa tacatgtagc
 174001 cccattaaca atccttcata tgacctggtt ttacatctct tctcactctt ggtcactcta
 174061 atatctaaat atgatccatt ttgcttact ctctcttaac gtgtcccaga gcagctgtat
 174121 gacactgttg actcacacta aggaatccct acagatgtgc ttcacacatg ctacttccag
 174181 caccacaaggc tcatccttcc tccactctca gagctgctt tcaaggcccc tatatgccta
 174241 ctgagtttca tattaatgt gtgagcttca acctcattcc attgtgtcta cttcccttag
 174301 ctcctaatag ctaaatccac tgatgccaac actaccacct cctacagact aaatcaaatc
 174361 ccacttctc aaccagtctt gaccaagaca aatgtgtatc agcagcctca gcctaaccct
 174421 gaaacacaga attaaagctac ttttcagca tttactgaca aatcaatcct agatgcaggc
 174481 gtttccagta acccccaggg ttcctatact gccccttagc tcaactcttc ttctcccatc
 174541 gctaaaacag gatattgggt tgatccctag atcaccatt cagtggccac agattacctc
 174601 ttcaccagt aatcctgaaa ggatgttcca ttgcaggagg cagaataagg caaaactgca
 174661 aagttggcca tttcctatca ttcagaaacc acattctctg gttggagggc agtagactaa
 174721 ttttgtatat agaaaagaca atctgcgatt ctcctaaaaa gtgttactaa actttcaaaa
 174781 gtaactttca atagaagatt taatccaatt aataacaaat atttaggaaa cacaaactag
 174841 ttttagatac tatatattac aaataacatc acttcttctc aaaaataagt gtgccaagaa
 174901 tctctggcaa aagaacagag gtcactctgc actactctct tgatttttaa gcaatgaaat

FIGURE 1 (continued)

174961	gaagtctctc	agacagtgg	ccccaacct	ttaggcaata	gggggaggg	tgggggaggg
175021	gtatggtttt	tggatgaaac	tgtccacct	taggtcatca	ggcattagat	tttcacaagg
175081	agcatgcaaa	ctagacctct	ggcatgtgca	gttcacaaca	ggactcgcg	tcctatgaga
175141	atetaatgcc	actgatctga	caggaggcag	agctcaggta	aagcaagaga	tggggagtag
175201	ctgtaaatac	aaacgaagcc	accctcacct	gctgctcacc	acctgctgag	cggcccagta
175261	cctggctcct	ggcccaggcg	tgggggaccc	ctgctctaag	aaactatgta	atttattcaa
175321	ggtcacagag	caggctatta	acaaaactga	aacaaggact	caggctctcca	gattcccggc
175381	tgaataata	tctagtcac	tatgaggtag	agtgcgtttt	cagagtttga	aacacacagt
175441	atcttcccc	caacaggtea	cgtggtagac	aacatgaatc	cacaattatg	aatcagttta
175501	tgaatctaca	gttatgaaac	actaagcaat	gaaaacatac	aacagggcca	ggcatgggtg
175561	ctcaagcctg	taatcccagc	actccaggag	gccaagggtg	acagattgct	tgagcccagg
175621	agtttagagac	aagcctggga	aacaaggcaa	acccccgtct	ctcctaaata	taaaaaaatt
175681	agctgggtcat	ggtggcacac	acctgtagtc	ctaactactc	aggaggctga	ggtgggagga
175741	ctacctgcac	tccaacttgg	gcgacagaag	tgatactctg	tctcagaaaa	aaaaaaaaaa
175801	aaaaaacata	aaacagtaca	gatcaacatt	catgggcctt	tatcatgcag	acaacagcct
175861	ctgaaagtgt	tgactataaa	acacaaaact	atgaaaatta	aatttgata	ggggaaccca
175921	aacattttgc	tcatgattac	tgattataac	aagtttatca	cactttaatt	cacaaaaaaa
175981	gacattaatc	atgaaaagga	aatcaagtc	cagaaaggca	gtaatagcat	agttattaaa
176041	tgttaaccat	ttgaatccta	cctcctccac	ttactagctg	tataacctca	aggaattagt
176101	caacctctct	ttcgctccat	ttcttcatct	ataaaatgag	gactgtggta	tttatctcat
176161	ggagcagttg	caatgattaa	atactttagt	atctgtaaaa	tacttgggac	agtgcctggc
176221	tcatagttgg	tattcaataa	ttgctcttat	ctactcatgt	attattcttt	tccacttgga
176281	taacaaccaa	ctcttgacat	ttgtcatatc	cctttaagt	tagccaaatt	ccataaggca
176341	ctggaatgac	atacgatttc	ttaaaggacc	ctggttttga	gccaaaaatt	aaataatgg
176401	agagatgtgg	tagaaaagta	cagctacatg	ttcaaggtag	gtgataaatg	gccaatgtgt
176461	tagtctgtct	gggcaacaaa	ataatggtat	tttgggtgg	ttataaacia	cacaaattta
176521	tttctcacag	ttctagaagc	tgggaagtcc	aagatcgaag	agctggcagg	tttgggtgct
176581	agtaaggggc	catttctctc	ttgataggga	tgacttctca	ctacgtcttc	acatggtaaa
176641	aggggcaaat	aggtcccctg	gggcctcttt	tataaagtca	ctaatttcac	tcacgagggc
176701	ttcactgaca	tgacctaatc	acttgcccaa	attccccacc	tcctaatacc	atcaccttgg
176761	ggactagggt	ttcaacagg	attctgaggg	gtcacaaaca	tccaaaccac	agcagtcaga
176821	aatcaggaga	atggatcatg	gggagtga	ggcttagccc	gccttggatt	ggcagatag
176881	gagtgaagag	aagtaccaac	agttttcaaa	accaatcaaa	ccaaaacatt	tcatttatca
176941	catogaattc	acaatgtact	atcgttacca	ctacaatgac	tggccaagag	cctccttaca
177001	cttccctacc	attcctactt	cttttttttt	tttttttttt	tttttgagac	ggagtctcat
177061	tctgtcacc	aggctggagt	gtgcagtggc	gcaatctcgg	ctcactgcaa	tctctgctc
177121	ctgggttcaa	gcagttctcc	tgccctcagc	tcccagtag	ctgggactac	gggcgcacac
177181	tgccaagccc	ggctaatttt	ttttgtattt	tagtggatac	ggggtttcac	cttgttacct
177241	aggctagtca	cgaactcctg	agctcaggca	atctgcccgc	ctcggcctcc	caaagtgtca
177301	ggattacagg	cgtgagccac	cgcacccagc	ccattcctac	ttcttctact	tcattccatc
177361	aacagaatca	gagaaatctc	tctgaaaatg	gaaatagagg	tctccctgaa	atataatgcc
177421	catgagattt	ctcatgcaaa	gcaataaaaa	atgagctata	aaaaaagcac	gatgtattca
177481	ttcccttttag	atctgctgcc	taactctcat	tagggggcct	gagctcctgt	aggctctgtg
177541	tcagtgtctg	tgcagtgggc	ctgcaggcag	tgagggcagt	tcagtgtggc	ttgattacaa
177601	ggtgtgaaga	tgggattgtg	gcacactctc	aggggctctg	aagggcacac	catttttaaa
177661	tcactcacct	gatgtttact	ccatggtgca	gcataattaag	tggaataatg	agagaaggga
177721	gtgactggaa	acaagaaatc	ctacaaaaac	cagggtataa	gtggctaagg	catgaggtga
177781	caacactgag	agaagggtga	taaaagtagg	gacccaaaaa	aaagattttg	agtcttaaga
177841	aactcaggaa	gaatatggca	acaaaactagt	cacattgggt	aaaactcaaa	gaagcttgaa
177901	gatcacccaa	gatgacagaa	tttagtagga	gacccaaaag	ggttactgca	ggtaattacc
177961	gcaagaccac	aatcacaagc	tcagccttga	catgtttaat	tttaggtaaa	atccagggtat
178021	ccagctgaaa	acattctatg	ggtagtggga	aaatcatagt	atgacagagc	aatcttaaga
178081	ggttcagagc	atcaaccagc	tcacaactta	gttgctttta	gagttttcac	tcattcaggaa
178141	tgacatgtct	ttatgttgag	caagaaaaac	atgaagtagg	ccaagaaaga	tttgggaatgc

FIGURE 1 (continued)

178201	attaaaatta	actagttact	aataatatat	tagtaattac	aaacaaaaag	agaattttaag
178261	ctataagttc	aaaacatagg	gaagatttta	gggagaacta	ccaaattttt	ccacgaaaaa
178321	caaataattg	tgctactgtc	agaatattag	gattatggat	tattattctg	acttcacata
178381	gtatcttaca	cactatctga	agtcagaata	tgttttatat	gttatttaat	gttttatatt
178441	atataaattg	cttaaattaa	gaataaatatc	aaagtcctac	gaattatatt	tttagctttt
178501	attcacattg	ttactgacaa	attcacatgg	ctgattttaac	acatgagaac	agtcataaaa
178561	cagtcaaaaag	agactgaaac	cttttttggg	acaagtgttg	gttacaatta	aacttttaaat
178621	aagagagatg	gacgggtgcg	gtggcccaca	cctgtaatcc	tagcactttg	gcaggctgag
178681	gtgggcagg	cacttgagcc	cagaagttcg	agaccagcct	gggcaacata	gtgagaacct
178741	gcctctat	ttttcttaaa	aaaaattaat	taaaaacaaa	agacttacca	cattttcctt
178801	catcattttc	agcttttcat	caatctctct	cagccgatta	tcagatcgc	gttgctcttt
178861	gggtttccta	agtatctttt	ctcctggagt	tactttccata	tttctttcac	catcaeggte
178921	aggttttcta	tttaaagaaa	aaaaaaaaac	atcattcaca	ggctggaaat	gtgctgtcac
178981	ataccacctc	aaagcaactg	agccttgagg	gttagctttg	cttctcaaac	aattattttc
179041	tcccttcaaa	acaatatgta	taacgcttta	aagtcttccc	attttaggag	gtaaatgtcc
179101	aactgtacat	ataacaagta	ggaaaaggaac	ccaacttctg	taatcatttg	ggaagcagaa
179161	ggagacagtg	aaaacagctg	gagccaggaa	acaggaacct	gggttctggt	ccctgctctg
179221	atacttacca	gcttgagacc	ttggactttt	ctttggactt	caagtttatc	atgtataaat
179281	aagaaggaaa	aaacctgtcc	catccatatt	attagaagca	gctgtgtaat	aatgggaaga
179341	aaactggatt	tggaaggtc	aggagttttg	aatctttgcc	ctgcctggtt	cctgactaga
179401	ctgacctgag	ggaaatgaat	taacctctct	gagcttcagt	ttcatcatct	gtaaaacagt
179461	aacagtaata	atagatctag	gctaaaagtc	atcacagtat	gtagtaggca	agcaacaaat
179521	cttaatgcca	aacaaatgcg	agctgaatat	gtcctttgaa	aagactaagt	attacataat
179581	gaaagtactt	cattattgtc	tgcaatat	atattgacag	aaccatattt	tcccaaagtt
179641	aatgttattt	ctgggtgata	aaaatgggca	tttcttgata	ggaatttggg	cctgtatcta
179701	agattaaact	tcctttctca	catacatctg	ctctgtgttg	ccatataagt	gatgggcagt
179761	aatgacattt	ttgaaatcac	tcaagccata	atcctgctac	tccttcattc	cttacataga
179821	gatggtcacc	aggaatacta	tctagtgtcc	aatcccta	acctctctaa	tcaaggcact
179881	tgtttctttc	tcaccgtctt	agttaaagata	tcctcatcat	tcaccagcag	tttttaaaact
179941	ccagtgaagt	tcagaatcac	ctccagagcc	caggaaaaaa	tcgaaggac	cagcctctac
180001	ccaggagggt	ctgattcaaa	agggaaggac	aggacaggcc	tggtggctca	tacctgtaac
180061	cccaacactc	caggagggtca	agtcaggagg	atcccttgag	cccagaagtt	agagaccagc
180121	ctgggcaaca	cagtgaagcc	ccatatctac	aaaataaaaa	ataaaaaaat	aattagccag
180181	acacggtaac	acctacagtc	tcagccactt	gggaggctga	ggtgggagga	tcacttgaac
180241	ctgggagggt	gaggctgcag	tgagctgtga	tcgcaccact	gcactgcaga	ctgggcaaca
180301	gaatgagact	ctgtctcaaa	aaaaaaaaaa	aaaaaaagga	ctaaggacta	ataaactgaa
180361	gcacacctac	ttgagaattc	aagaactact	gacttagggt	gctgccagag	cctcctgggt
180421	ggtcttgatg	ctaccagtca	ccctgttgat	tccattcttt	gcagggaaga	cacagaacaa
180481	ggtgcaaagt	attcatgctt	taggccctgc	caatctcttc	atctcatttc	ccactgcttg
180541	agactcagac	tcaaatgtgc	agcaatat	actactacca	gttcccccaa	ttccaacctc
180601	ccaactcctg	agactcctac	ccattttggg	cccagttcaa	gcataatttc	ataatatttc
180661	ctgacatacc	cacaaaggac	aaattattct	ctcagccacg	ccacatgctc	ctttattgca
180721	cttaccacac	tgtaaccacc	tagacagtga	catggctgac	cctattctct	gcataccaat
180781	gcaaactata	atcctgaagc	tgtgtaagca	ctggccaata	gactgtaatt	tgggttttgc
180841	aaactttcat	caaactagca	atgaatttca	gtaaaattct	tattgtatac	agttctacca
180901	agcaaattat	taagagtgcg	tcaatttcaa	gaagtgatta	ttttatattt	ggcttcattt
180961	ctcacttctg	gtagctttca	atctctagaa	gcacccctgat	atcgtttgga	tctctgtccc
181021	taccaaattc	catgtcgaat	tgtaaccccc	agtgttgagg	gtggcgccctg	gtgggagggtg
181081	attgggtcat	gggggtggag	ttctcatgaa	tgggttagca	ccatccctca	gtactgctct
181141	catgattgtg	agtgaatgag	ttaccatgag	gtctggttgt	ttacaagtgt	gtagcacctc
181201	cctcttctct	ctctcttctc	cttgctctgg	ccatgtaaga	agtgcctgct	tccccctcac
181261	cttctgccat	gattgtaagt	ttcctgaggg	ctccccaaaa	gcagaagctg	ctgtgcctcc
181321	tgtacagcct	gcagaaccgc	gagccaatta	aacctctttt	ctttataaat	taccattctt
181381	cagggtattc	tttatagcag	tgaagaacaa	gactaataca	catctagagg	ctgaattatt

FIGURE 1 (continued)

181441	atcagaaata	ttttttaaag	gaaatcta	gttaggggga	agtttgaaa	aatgggtatc
181501	aaggctctct	tgcaatgcta	agcagtcagc	attttataaa	ctttcatgaa	gatacaccag
181561	ctatgaagta	ggacacatgg	taatctgcaa	aacaccccg	atttcatttt	taaattgaaa
181621	ttattttta	aatctacaac	tatgattttt	tctaaatctt	ggggcaagca	aagagaaggc
181681	acagaaagaa	aaaaattata	agttgcactt	aacaacattt	ttaaattgtg	cttaatcaaa
181741	accaccactg	tgaaaatgaa	caaaccacca	actgagagaa	aatgatcata	acacacaaat
181801	ctgacagagg	acttgatcc	agaatatgta	aggaactcct	acaactcgat	aataaaaaata
181861	atcaaataga	caataataat	taatcaaatg	acaatcaaat	tctataaaga	cttgacacaga
181921	tacttcataa	aagctatgtg	catgacaaat	aagaacatga	aaacctcctc	aacatcatta
181981	gtcactgggg	aaatgcaatt	aaaccacaat	gagacactac	tacacagcca	ctagcatggc
182041	ccagatgaaa	aaaactgtga	acaccaaagt	ttggaaatgt	gtgaaacaac	agggactctc
182101	ttacattgtt	tgacaggacta	tacaaaggta	caaccacttt	gaaaaacagg	ccatgtcttt
182161	tttttttttt	ttttttttga	gacggagtct	cgtctgtgtg	ccaggctgga	gtgcagtggc
182221	gcaatcctgg	ctcccgga	cctctgcctc	cgggttcaa	gcgattctcc	tgccctcagc
182281	tcctgagtag	ctgagattac	aggcatgcac	caccatgcct	ggctaatttt	tgtattttta
182341	gtagagacag	ggtttcacca	tggtggccag	gatgggtcca	atctcttgac	cttgtgatcc
182401	acccaccttg	gcctccaaag	tgctgggatt	acaggtgtga	gccaccacgc	caaaacaggc
182461	catttcttaa	aaagttaaat	gtttgtcgat	catgtgatcc	aaaaattcaa	ctcctatgaa
182521	tttatcaaaa	agaaattaaa	atatataact	aaagccttgt	acacaaatgt	tcatggcagc
182581	taaaaaactga	aaacagccca	gatgtccatc	aatagagtat	gataaactat	ggtgagcacc
182641	tgccacagct	gggacaatca	gagtgtttct	ccttgagctc	catcttctgg	ttaggttttag
182701	tcaaagttag	gggagagtac	aggacagaag	gagagagagc	ttaggttatt	ttttcccttt
182761	ccctaatagc	ttttgcatca	cagtttgggc	agtgatgtat	ccctgagatg	tgctgagttt
182821	tcttagatcc	aactgcatat	tcatgtcaca	agactaacag	aggacacact	tagagccact
182881	ctactcagaa	ggttataaga	caggaaacac	agcaggccag	tatcagggtat	cccttttcaa
182941	tgggagtgtt	tgctacagtc	catgccaaaa	caatataggt	ataaagagca	aaacagctat
183001	aagctgactg	tcttaaaatc	ctcatatcct	acaggagcca	ttatctcttg	aaatggcccc
183061	ataggcacac	cgagtccaag	gaccagca	gaaacgtgcc	cagccacaag	aatcactgca
183121	gtcagagatg	gccccaaatc	agcttctcca	tcagggtctt	ataattctcc	caatccaggg
183181	atcattttta	gcataagcaa	agtcgcctcc	taacatattc	agcatgccaa	cttttctcag
183241	attgccaaag	aaacagagtt	aggaaactaa	ttaccgctca	agcgcctcac	ctgagggggc
183301	tggggttggc	taaccctttg	cccatgtcct	ctattattac	aacttcagat	ggccagttct
183361	tctcccacaa	ttccagctct	tgctgagctc	ccacacactt	tttcttcccc	catccacggg
183421	ggctagtctc	tgggtgtccc	aacatccact	gttagctcct	ttaaattctat	ataaatagtc
183481	ccttcatata	attatcttcg	aaatccaagc	taggtattcc	ttctgtttct	tgtcaaaaac
183541	tctaacatag	atatatacat	agatagatag	atagatatag	atacagatat	agatatatac
183601	acacacacat	atatatacac	acacacaaat	ataattatat	acatatatat	gtgtgtgtac
183661	atataatagt	gtgtatatat	atatagtctg	tgtgcgtata	gagaaataga	ctggaaggaa
183721	atttaacaat	aattaacttg	gcaaaaatcc	tgatgattta	atcttatttt	tcttattttt
183781	ttgtagtctc	tgaatttctc	acaataaaca	tgttatcaat	ttcataagca	gacaaacctt
183841	tttttttttt	tttgagacac	ggctttattc	tgccaccacg	gctggagtgc	agtgccacaa
183901	ccacatctca	ctgcagactc	gacctcccag	gctcaagcga	tctctccacc	tcagcctctc
183961	aagttcaagt	ggctgggact	acaggtgcac	accacctcgc	ctggctgatt	ttttttgtat
184021	gaagaagaaa	tgggtttcac	tatgttgccc	gggctgattt	tgaactcctg	ggctcaaggg
184081	atcctcccgc	ctcagcctct	caaagtgtcg	ggattacaga	tgtgagccac	tgatttttta
184141	tttttaataa	actttttctg	caaagccatt	tttgtcctgc	tctgacaatg	tgactctcca
184201	tacctaagag	gtatacacc	gaaggttggg	ttctagcttc	caatccaatc	agctgtgcac
184261	ttttgaggaa	gtcacctcct	ctttctgggt	ctcagttact	tctgagaaag	ttatttcccc
184321	ttctaatagc	ttatgagtct	ataattctct	acagtttagc	caaaggata	tataacagct
184381	ttcttcagtc	atggcctccg	atggcataac	catatagttc	aaatattcga	aaaatactgt
184441	atgatgaaag	cagaggccaa	gagggggcaa	gaaaagggtg	ccactgatgc	tgatgaaaaa
184501	tgcccagctg	caaaaagctc	tgtggtgcca	ggaaagattc	ttttttcaca	acaaagtgcc
184561	aaccagtact	atctgtcctc	gtgatcatca	ggaaatatct	tgatttctca	tagtagaaat
184621	atttaatcag	attatctgac	caacatatca	tttctgtgtt	tctgggtcat	acaggaatgc

FIGURE 1 (continued)

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184681 cttcatggag aattcaataa aagctctcct ccatatgcca caagaagaga actgtccctg
184741 aggccaagat caatagatac ttgttgattt gactaattgg ttgccaagag attctgagtt
184801 tatecttaga aaaattatct gtggtgttga ctaggccaaa agggatcttt gaagcaaaat
184861 aaactcattt tcaaaaatca aaaacagcaa attaccgca gcttcgtaag ttatctgata
184921 tgcaaataag gcatgcgtta ggattgggaa aatacaaacc tgccataata aagacagctt
184981 gtccatgtt ttcgagacaa tgcatacat ttctgtaggt tcctgctatt tcttgctatt
185041 agatggatcg tgtgtctggc agtaccacaaa gcagggaata agatacttca ggcagattgt
185101 ttttatcacc ttggaataat gccataaaat gaaggaaacc ttgactacat cagaagctta
185161 acagaggaaa gcaaagaaat ataaacttca cagtaatctg taaaatggag gtggcaaggg
185221 cagtttccca gatttactg gagatctaac agattggcac tggaggtaaa gagctctgaa
185281 gtacttctt gtttgttct caaaccacaga aatgcatgct cctgtggctt ctatgggttt
185341 tggaaatgag cagatggtca ataagatttc tgtgcctgtg actagcatac atttaaaaaa
185401 tcctaaattc ctgccctcaa ccaacacaca cctaagtaca tttggggtca agtagagtcc
185461 atggccctta ctggaactat acaaatccct ggaccaata ataaaacatc tttcagaatt
185521 acatgtcaaa caatggtctg tatttcttca attttagcta atattgagac aggaagacat
185581 caaaaaaaaa ttaattgttg ctgtcagcaa taatagcatg atcttggcaa gaaaggagat
185641 caatacaaac tacaattttc ctcaatcaaa tgtttgctaa ttttttctca agctt

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184681 cttcatggag aattcaataa aagctctcct ccatatgcca caagaagaga actgtccctg

FIGURE 2

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1  mglawglgvl flmhvcgtnr ipesggdntv fdifeltgaa rkgsgrrlvk gdpsspafr
61  iedanlippv pddkfqdlvd avraekgfl1 laslrqmkk1 rgtllalerk dhsqgvfsvv
121 sngkagtld1 sltvqgkqhv vsveeallat gqwksitlfv gedraqlyid cekmenaeld
181 vpiqsvftrd lasiarlria kggvndnfqg vlqnvrfvfg ttpedilrnk gcssstsvll
241 tldnnvvngs spairtnyig hktkdlqaic giscdelssm vlelrglrti vtllqdsirk
301 vteenkelan elrrpplcyh ngvqyrnnee wtvdsctech cqnsvtickk vscpimpcsn
361 atvpdgeccp rcwpsdsadd gwspwsewts cstscgngiq qgrscdsln nrcegssvqt
421 rtchiqecdk rfkqdgqgsh wspwsscsvt cgdgvitrir lcnspspqmn gkpcegeare
481 tkackkdacp inggwgpwsp wdicsvtcgg gvqkrsrlcn npapqfggkd cvgdvterq:
541 cnkqdcpidg clsnpcfagv kctsydpdgs1 kcgacppgys gngiqctdvd eckevpdacf
601 nhngehrcen tdpqgynclpc pprftgsgpf gqgvehatan kqvckprnpc tdgthdenkn
661 akcnylghys dpmrcecko gyagracicg edtdldgwn enlvcvanat yhekkdncc
721 lpnsggedyd kdgigdacdd dddnakipdd rdncpfnynp aqyaydradv garcanepyn
781 hnpdgadtdn ngegdaacaad idgdgilner dncqyvynvd qrdtdmdgvg dqcdncpleh
841 npdqlsdsd1 rigdtcdnnq didedghqnn ldncpyvpna nqadhdkdkg gdacdhdddn
901 dgipddkdnc rlvnpndqkd sdgdgrgdac kddfdhdsvp diddicpenv disetdfrf
961 qmipldp1gt sqndpnwvvr hqgkelvqtv ncdpglavgy defnavdfsg tffinterdd
1021 dyagfvfgyq sssrfyvvmw kqvtqsywdt nptraaggysg lsvkvvnstt gpgehlrnal
1081 whtgntpgqv rtlwhdprh1 gwkdftayrw rlshrpktgf 1rvvmyegkk 1madsgpiyd
1141 ktyaggrlgl fvfsqemvff sdlkyecrdp

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FIGURE 3

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1    aagcttctct aaactgacct tggaaattga accaccattt ataccatcat ttctgcatgg
61   aagtgtaatg taatttccaa gaaaatgact tggagatgaa ttgtgagctc agtctgatca
121  gaagttggag gcagcctaga ttcttttggc ctcttggtcc ctttggcctc aacgtgcatt
181  gttatectca ttctaatcc ccagatgcaa atattgattg atgtttaaat ggcaactttt
241  cattaatgag cttagagcac tttgtgaaaa tgtgtgctct tgccacctct gggacatctg
301  cctaagttgt ggtaaggggt ctggctagga gttaagagcc ctggttctag ttctgaagct
361  gccatacatt agcttaaagc ctttgtgcaa gagagaggag aagagctata cttttagggt
421  ccttgcattg ccattgtcta tgatttatga ttttatggtg agtagatcac agacagtgc
481  aggatctttc catagctccc ttttctggtc aaaatgcagc aagaatagtc caaccacttt
541  actaggatgt ctttattttt atggcttttc caccaaatgt attgctttcc ttagctggcc
601  tgggttttgg ggacagatat ttggtatata tgtccacaaa tgcccttgac aacaggcaac
661  ggaggaggta ggagccagaa gctttgtaag ttccataact tacagttcct gctgggattt
721  tgatttgatg aacctgtgtc accttaataa attatgaagg cttctctttt ccttgaatct
781  ttctctgtgt ctttgttcca aaacaggcca aagaatgtgc tctagaaatt ggccatctcc
841  ctgttttgaa ggtgaaagat tgtgtgggtg caccoccaa aggagacctc tctattatat
901  gtttctgtgg ttccaagctc actgtgagct gtgcctttga cttggcaaag gaattcatcg
961  tttgaaaagc tatttctagc ccagcacagc tgttactgct ttaagttcag caaatgccac
1021 catttttgca gactgtccta atacccccag agaaattatg gcaacctaa tgtgtgactt
1081 tgggtgagtga acaaagaatg accttgtgc caaggtctcg cagaagtcac ccattgtaca
1141 tttgattata ttctctctc tcttatctgg tgcaatgtag gctcttaaaa gcaaaactca
1201 aaagaggttt ttgactac gtctctccc tgatctttgt gaaatcaagg aatcagatga
1261 taatagtgat aaactaataa cagcaacagc aattctgatt tctttgatgc ttcttatgtg
1321 gcaggtaata tactagatac tttataaaaa ttatcatgct catttacaga tgagagaaaa
1381 gaggcatagc aagatcgtgc aatttgccaa agaaacttct taactaggaa atgtcagatg
1441 tggaaatttaa acctgggttc acctggtag aaggctcatc gtattccact atggcatgtg
1501 gattaaaaata cggatgtgga gatatggatg tggatgggga gctctgtaac tgccctggct
1561 cegtttagct tacagatctt tgtaaagggt ctttagcagt ttgcccctaa ttctgctaaa
1621 ataagatccg cctctctagc cgttccccca cctacacaat gacagaactt cttccctcag
1681 cctttcttct gtatctctgg gaatacccca gtggcagtgg caggagggtg cagcacacat
1741 aactcatgcc actgcttgcc cttccctagc cegctctgct ggccctctga tcacctagat
1801 gatgetgtct ggagctcccg ctccagagcg cctgtcaatc tgataaagct ctgggatggc
1861 gctacactgc ctgtgacctc tagttgacct tgggccatct ctctccctt ctccagctac
1921 ttacaagccc ttgatgtccc tgetcatccc aggtctctct ctggctggag gggaaagaac
1981 tcaaccttct gtacctgccc cttttgtgtg tttcattttg tgtgtggatg gtggaggtgg
2041 gaaggtgcag gccggcagcg gccttcttg ggccactct ggggttacag tttgttctgt
2101 ttctccctat actcctccca tccagtgcac gtaagccccg ggggtgctgg atcagaatgg
2161 ttcacatggg ggagtgtgtg gctcagatgt gtggctcttt ttttggctct gctactgaat
2221 gactctccag ggctccttct cttttctcag ttaaaggga gtttctctcc cagggtccca
2281 tgggtgacat gtctgtatat gaaaaccac agactccagg aaccacagaa tcaggaagtg
2341 tggctcaagg gagcaagggt gcatctctc acagacactg ggtgtccaaa ttccaggggt
2401 agtcagggga ggtgtatgtg tgtggagtgc tggctggata atatttcag ctactagct
2461 attgtgattt tatccatttt atccctgctt tttctcttgc cctctgcac cggccctac
2521 ccgccacctc ccattcaagc agataatagc tgactctgtg ctcaggcctc acaggaggtt
2581 tgcagcaagg cacaagcaa agactttgtc tetaagcttt ggaaacaaa gctaagccc
2641 tcagcagaag aggattcgat ggaaaacaaa aacaaaaaca aaaaacaaa gacagattgt
2701 cctgaagaaa catggaagga aagaagcaat tccccaaac tagaaagaaa tccatttgg
2761 ttaacaggag gtgaatgcag aggtgacaga gagacagatg gggctccagg agcacagaac
2821 caagcactgc ttctgggag agtgatgtca gcatgactca aaggcggcct cagcagagat
2881 gcttggggac ccgggagcca cagcacagag tgactagacc tgaggggtca ggacagccag
2941 gcaagggcaa ggctgtctca gggatctgta gacagagaag cgaggaccag gtgggctca
3001 cccagaggc cttggcactg cgtgagctcc agaaactctg gcgttaataa ccacgggcga
3061 ggggactctg ggaaaactga ggttatgcat ttttttgtt attttttatt tttctgcca
3121 gccagaagaa ataagagctt ggcattataa attaaagttg tacagaaaac aaaagaaaac
3181 tcgtcaacct tgtgtttgtg gactgggatt cagccctct gccacctgc ctcgtacccc
3241 tcgtgttcac ccagaaggag ataagagagc ctgtgctcgt actctatcct gggcatttgg

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FIGURE 3 (continued)

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3301 ctagacgcag gccttctgtc ctggacccag gaataggtag cattgaccac gaatgcttcg
3361 tattacactt tcttttccat ttcaataatg attcaacaaa acagttttta atgaaaagca
3421 ttcggtaaac attgttcagt ttttcaggga ctttaagctt cagagggatg ccacaaaatc
3481 atcttcagag aagtttatgg tgcttgtaag gctgagaaaa caagagtcc taaagaaaagc
3541 tctgattaaa cattgtagag cattgtattt cctgccttgt aattgtgata gatggtatgg
3601 ttttgttttt aaacaacacc tcatctttga aatgactctg ctggaaacct agcatttttt
3661 ttttttttca gaatatattcc actgtgtata ttaaattgac taaacattca gaagaaggag
3721 cacaaatcag acccaggaga gtctgttgca aagtgttaagt aggagagagg agatgttacc
3781 aatactgaaa atacactaaa attctgatga aagtaccaga ttcaatccca tgcaagcctc
3841 ttaggaacac tcaaatgttt gaaaaataaaa tggaaaaaag cgattacaca ctggcaccag
3901 catctaatgt tttaatgaac attacatggc ctggatccca ttactaatgt ttctcttctt
3961 tgacatatgt ccaactgatga aggaaagtcc tttttgggtt gcaaagtggc tttcagaatt
4021 tggacgctct gaaagataac aaacaggcaa catcttttac ttcttgctca caagtaaatt
4081 tctggcagtt tttgacaggt cataaacaca catgaaatgc taaacgtagt gggttgttag
4141 atgctttcct taaagttgaa aaacattttt aaaataagtt tccttatgtc tacttttttc
4201 cacattctca actctgacat tcaaatgcac ttcacgaacc gacacgtaat aacatttgaa
4261 aaccaaattt ggaaaacctt cacgaattca gacttcactc ttagagaatt ttcaaagcat
4321 tcttgagaca agcaaatcga ggctgtgaat aagattactg agaataatgc ttacttaaga
4381 gaaatattca tgtttgttag atatgcacaa gcagttaatt acatttggag ttgtgcttgt
4441 ttaggtccct ttgtgagagc actgacactg tttagaactt tctagaaaag ctttcatcca
4501 ttggtttctg tgacttcact cttccttgta tttccaatgg gctccctgga cgcctctcct
4561 caagctcttt tgtgggtttt tcttcctcac ccagctactt caaagggtga gttacttagg
4621 gttccatcca taaacctctt cttttctcac tccacaaact cacccaaagg tttgaattaa
4681 ctatatgcag ataatgtcca tgtttatgtc tccagcctca atctcttct tgagctccct
4741 catgtgtatc ctgtcttagt ggttgactcc actatctatt gctagtctaa gccttaaacc
4801 tggaaattat gcttaattcc tctctccctt cccatcatca tctaaatat cactttaaac
4861 atccaccctg tctcttccca ctgttgctca cttattcctg ccatcatcct ttcttgtcca
4921 aatttctata gcaatctttt aactgatcca tctgcttcta aaacctttct cctgctaaga
4981 ccacagaaat ttttctagaa tgcaaatctg aacgtgtcac tcctctgcta aaaaaacttg
5041 ttcaggggcg ggcattgatg ctcattgcctg taatctcagc actttggaaa gctgagacgg
5101 gtggatcacc tgaggtcagg agttcgagac cagcctggcc aacatggtga aaccctctct
5161 ctactaaata tacaaaaaaa aaaaaaaa aaattagccg ggcatgctgg tgggtgcttg
5221 taatcccagc cacttgggag gctaagcagg agaattgctt gaaccaggga ggtggaggtt
5281 gcagtgaacc gagatcgccg cattgcactc caacctaaag gacagagtga gactctgtct
5341 caacaacaac aacaacaaca aattgttcag gactctcatt gccctcaaga taaagccac
5401 acttcgctta ggtgacaag ggccttcatt atggagacca cattccacc tcagcataac
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5581 tccccgga agcttctcat cctcccaag attgaataag ggacctctcc tatatgcttc
5641 tatagtactt acatcctata ttacctatat cacagcactc aacactctga atttcagcag
5701 cagctttatt catcagtttt ctcagatgat tgtaaaaacc ttcaaggtat cttcctcctc
5761 atatctccaa taatcagctc attctagatt cttgaaaaac atttgacaga tagatgaatg
5821 cagttacttt aaagatctgt ttctcagttt cctgattcta aattctgaac agggagaatc
5881 taatttgccc agcttgggtc agtttccatc cctggtocaa tgagctgagc taggggtgtg
5941 agagtatgga tggaaatctc tagaaaggag tgtgggggta gaagcaatgg gtggcatgca
6001 taaccaaatt atacaatgtt cttcattgaa acaataaaac tgcattgtag tttttaaaag
6061 tcatatgtta tatatttttc attaattcat gagcctcctt tcattagttc attataaaaa
6121 ggtatcactg taccttcatt ttaatacata aaataaaaat tatacagtca ctttttactt
6181 attattaggg actcattcat ccaactgttc acaaatatta ctaagtacct actatgtgcg
6241 aagctctgtg ctagggactc ggtagatagc agaaaaataa atcaaatccc tgctgtcatg
6301 gtgcttgctt taaaaaatgt aaaacacaga tgcagcattt taaattagaa aacttaatat
6361 gaaagaagac aataggatgt tctgcggaaa ataactgggg ggatgtgatt cagttatgag

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FIGURE 3 (continued)

6421 agccaaggaa ggattcccaa tcgggggaaa aaattacatc aaagctaaga tctggcttct
6481 ctgggaagaa tgcctgggat tggagagttg cgggaggaca aggacggaac tggagatccc
6541 tgtggagtta ttatgatact tgcagcaaaa gactatgacg cctatgactg ttgatgaatt
6601 caggagattc tgggagccag aactgattgc actttgattg tttctatgta ggggaatta
6661 aaggtgctaa gaataacagt tggggtagag gttaagcaca tgaactctga agctagattg
6721 tctgagttta aatcccagtt ccattagtaa gttatgtgac cttgggcaaa ttacttaacc
6781 tcactgtgcc ttggtttcct catctaaaaa gtgggtgata ataatagtag ctaccttgaa
6841 gatttgttat gaggattaaa caagttaaca tgcataaaac atttcaaaca ttgctgcac
6901 gtcggtttac ttacaaactg aaaaagaggt aagtttccat gcttctggct tgagcaatgg
6961 agcgatacag gtgacattta ttgagatggg aaagactagc agaaaaagag actttgatgg
7021 actgaagatc acagtttagc cttagatata ggcttgagat tgctcagacc tcttgacat
7081 ctctcttggg gcaggagtct gatctcagaa gagatccctg ggctggagat gtcaatctgt
7141 aagacttcca aatacaggca acatttgaag cccagggatt ggaaaggcaa gcaaggaaga
7201 gtgtgtagag tgagcaaagt gtgaatacag ggccaaagac tgacctgag agttccgaaa
7261 gccaaagtga gaatgagggg ccaactactg gtttatgtgc agtgctgtta tgcacatgca
7321 ttagacaagt ggaaatagaa acatctggta taatttgaat ataaggaata ttcaaacaaa
7381 ggacatcctt gtatttctat tttaatggag cttaaaactc taattttctg tttagccctg
7441 ttacattgat tttatggctt ctctatccc tcattggaat ctctgatcca aagatttaaa
7501 agaaagtctg gagaatttgg agatatgagt agtttcatgg ctggatcttc aatggcgaag
7561 acagaagggtg gggcataaac tagaaccagg tgatgaaatg tcttataagc tgtcatagga
7621 gtttaaactt gataacagta aggagccatt caaagtgtta agcaacagtg aagcacgatt
7681 atttcgtatt tgagaaagat ctttgttgaa caaggtagaa aatgcattga aaaggagcaa
7741 atccagaagc tgagaggcca atggtgcac tgtaacagta acccaggaaa gaaaaggcaa
7801 cacaaggca aagaaaagac aaaccaggac tgtgggggag gccaacggtt ccaatttaag
7861 taatgaccac agcaagaaac agacaggatg aggtgattga ctagttagag aaggtaagag
7921 agaggatgac gccatggcct ctgcttttgt tcagactatt ctgtgccctt aaaatattac
7981 atttttcccta atccatcctt atgctccatg cagcacccctc aatgtcttct gtagggataa
8041 ccctttaatt ttcaaataatg ttctcatcct gtctcctgat gaatgcatgc agtcattaat
8101 tagctcaagt ggaaaataaa gatgcgactt acttcatatg cactctaggt cccaggcctg
8161 ggtagaaaaa aaaatctatt acctaaacca cagaagctaa aatcctccac aaagaagaaa
8221 ataccccagt gattgatttg gtctccacat cacttggtt aactaagtat agaagtatta
8281 atatgctaga cctattttat taaaataaatt tagctcatca ttgtgacaga aagcccattg
8341 ttcaaacagc aatatttttg taataaatta gaagtccctc aacaaaccct gttaaacccc
8401 atgtggattt ccgttaatgg ggaagatttc ccagtgcact agcttaacac tgetgctgca
8461 cattaatttg ctttccagct atacataaat aaataagtgg ctgctcctt gatgtgagct
8521 ggaggacca ggggaaggca tttttacctc taggtatctt cccagactt cttatgctgt
8581 ttataattat catattcatc attttttctt tctctctctt cccaatttct ttcttcttag
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8701 caaggtcacc aatgacctcc attttgctaa atccaatggc caggcatcag tctcatttta
8761 acatgatcca tcaattgcat tcagtgcagc aaatcaccac ctcttctctg acacacattc
8821 ttcaatttggc atcaagaata acacattatt tccatttttt tctacctca ttgggcttag
8881 ccttctctgc tgggtgttctc catggtctct tagtggtcag aatacctcag ggctcagttc
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9001 taacaccttt accctaacia ctcttcagtt agtacctcct ggtctccagc cttactcagc
9061 atctccactt ggatgttcaa tagacatctc aaactcaatg tgtcaaatat ggaactcctc
9121 atctcccttc aaaaactggt ctactcatag ccttctttat ctcagttgat agcaacttga
9181 ttaagccagt gctcatgcca aaaatcttga agtcatcttt ctctctttct ctcacaatcc
9241 acatctaate ttgttgatag tgtctgcaag gtacaccacg aatccattct cttcctacct
9301 ttcactgct accatcctga tccaccaact cttggctcaa agtcaactaca atatactccc
9361 agcttctctt cctgcttata cacccttgct tagcaccaga accatagctc aagtaatcct
9421 tcttaaaaag taatcagtgg catcacttct ttactcaaaa actgcaatga cacagggtaa
9481 aagccaaagc cttaaaaaat ccttcaagct cctacctggt ctgctccctc cctgagttt

FIGURE 3 (continued)

9541 caacctcatc tcgtgggtctc ccctgctcac tctgctcctg accactggcc tccctgctgt
 9601 ttctgagaca tgccagacaa gctctatgtg tgccctctgc cttgaatgct gtcggatact
 9661 agaggccagc cccacccttc tttcatggct ttgttcaaat gccatcttcc caatgccact
 9721 tatcctgcca tttttcatac tgtcacttgc cccagcccca gtggccccag cctccttgcc
 9781 ctgctttact tttttctttt tccatagcac atatcacttc ctattatgtg atgcaatctg
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 9961 ggaggcactc agtagatgct tattgaatta atgttttagg cttcaatcac aaggggccct
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 10081 cattaacata tcttacaagt ttgaacgaac tacaaatgag atgtctttga tccatttctc
 10141 ttctagctca ctccttcaac acatttttca tccagtgct ctggctctct cctcaggaca
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 10261 ctctttctcc ttattcccat gaaatctgaa ctgtgatcca atttctcaag accttaaac
 10321 taaaaaaaaat gagaactagt gacccattt taagaaatat tgcagattgt aaattaagcc
 10381 aatgctgctg ttaaaccaga tttagctcat tgacatctag aggaatatca aacgattgcc
 10441 agaactttat agcaagagag aaggatacgg tatagtggga aaccaagca aagggtgga
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 10561 cacaaatgga aggaacagat catggggcac acaccttatt tttgcctaag gtggacaact
 10621 gggctaattc accaaaggtt ttgtgagccc cccatcgtgc tgcctggcacc taggatagcc
 10681 ggggtggaggc ttctccaaca attctaagaa ataccatgg aatgagaaat gccaggcag
 10741 atatgtggca agcgtatct cccctggagc tcttctggag accctgggcc acttccacaa
 10801 tgctttctac actgagaaca ctctactc tcaactctaca ctgagaacac tcattaggat
 10861 caaactgag aacactcatt aggatcaact agaggcaggt tgagttttta tttactaag
 10921 taccacagct cttgtgcata attaactctc aaaaaactaa tttcttccc agcactgaat
 10981 tatccttggg caaaaagaaa tcaacatgat aaataccagg cacatagtgg gcatttgaca
 11041 tccctcttcc catgtctctc gttttctctc agtaccacc ctcaccaact cctttgagat
 11101 gactattttc catatttgct tctttcatgg catatctgta ttgcttctga tttggcccca
 11161 gatgtcagat tggtctgcat tactccaggc tgaatcattt gatttctctg ccatgttctc
 11221 aacctttcca gatcctcttg tatcatttct cagtcattcc cgctgtttac aatacctctc
 11281 aatttaaagc catctgcaaa tctcatthaac aaaccactga ctccttctcc ctcacgatca
 11341 taggacatgt tgaatgaaac aagacctgac agcaatctc tctctccat ttgaggcacc
 11401 atttctctgg gttactttta cttattatca tttttatatt atattgttat tgcacatgta
 11461 ctcaccagct aggcatactc aatatgtgaa aatcgggatt catcattttt tgaatttaag
 11521 ttattcacag gctgggcgcg gtggctcatg cctgtaatcc cagaactttg ggaggccgag
 11581 gaggtgggt catttgaggc caggagtcc agaccagctt ggccaacatg gtgaaacccc
 11641 atctttacta aaaatacaaa aagtagccag gtgtgggtggc ccacgctgt ggtcccagct
 11701 actcaggagg ctgaggcacg agaatcgttt gaacccggct ggtggagggt acagttagct
 11761 gagattttgc cgttgctcctc tagcctgggt gacagagcaa gacctgtct caaaaaaaaa
 11821 aaaaaaaaaa aagttattca cctacaaaa acttaattat attaatccct ttactagtga
 11881 ctttctctag tatacttaaa atactttgct tacaaagtaa taattaccca acttctcaag
 11941 gctggttaca gccttgaata taggttttta atacccttta gctacatctg tctgtaagaa
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 12061 catctgagga acacaccagt tttctcactg gcgattcatt ggatcttggc ttcaactttt
 12121 ctcacccttt ttctcgatat gctcaaaaata tttccaaatc tcaactattct tccctcttta
 12181 aaactttttg tctccttctc atgtgccaa cactgtgctc agtgctgggg tacaataaag
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 12301 tttgagtacc tgccatattc tggacctgca atgtatataa tcccttttac accccacaga
 12361 aaccccatct aatagctgag aaaacaggag ttcagagaag ttaattaatt tgcctgtgat
 12421 gcagaatata aatagacaat ttacagaaga aatacaaaag gacgatagac atatggaaaa
 12481 aatactcaac catgcagtta ttaagtaact ggtttattaa gttaaataaaa tgctactttt
 12541 ttacctatca agtggtgtaa gagaaaaata atactctacg ctgggtgggg tgcagtaata
 12601 caggctctct tgcatagggc tgcagggaac ataaaggggc aaaatcctcc tgagaaactg

FIGURE 3 (continued)

12661	tataatatgt	aacaaggacc	attataagag	gaactcacct	tagtgtccat	cgcaagggaa
12721	tgaaataaat	gatgttacat	ccatccaatg	aaattgtaca	tagccactaa	aaatcatata
12781	gaatatgtaa	tgacctagaa	agattttacca	aatattaaat	gaaaaaggca	tattacagaa
12841	tagtagatac	tactggatga	caatatatac	aggattgtgt	gtatgtgggt	gtggagaaaa
12901	taaaagactg	gaagaatgga	taatatgtta	acaggggtta	ttcataaaaag	atacgacaga
12961	gttcttttcta	ttggatatctt	ctacattttca	attattttaa	aaacccaaaac	ataaaaaatgt
13021	tcatacatte	agatctagtt	atgcaactgt	attgcaataa	acagcaatgc	agactaagag
13081	tcaagtaact	tgctcagaac	cacccatcgg	gtatattact	ttaagtctcg	ctttctaaagt
13141	ctgaaatcca	ttttctttct	acaacctact	cattcagctc	cataacccca	attatatect
13201	aactagagta	atcccttgat	gacctttcta	gtttctaggc	tttttatcac	gagattaatt
13261	tctccacca	aaatggtttg	ctgttctaaa	atctctaagc	tggcactctt	tctgcgataa
13321	gcaactcttt	cttttctcaa	agcccgcttg	ctggcagggtc	atcccgattt	tcatactctg
13381	cttttgttct	gtgaaatctg	atgagggctt	acgaggtctt	cagcatctct	caacagcaaa
13441	cattgggtatt	tgggtttgaa	caattctttt	tgttgagcag	ggctttgtta	gccctagcca
13501	gcttaaatgc	cttcaaggct	tcaactgtgac	aacagaactg	ccaccacaca	tttccaaaca
13561	catcccaagg	gtggccaatt	gagaaccacc	ctatgatcgg	ccacagctaa	ccctctgacc
13621	tcactctttct	ctactccctg	gctttctggc	tccattccag	ccacactggg	ctccttgctg
13681	cccttctcat	aagcccacaa	aagcagggat	ttgggtgggtg	ggattggggg	ggaggggtgt
13741	tcctttcatc	tgtacaacca	gttctgtat	tcaattccct	cttttaagca	cttgatttgt
13801	ttttgatccc	ttttaaattt	gattcagctt	ccccaaactgt	aaatgaacta	accaatgaaa
13861	ctaactactg	attccacatg	ttcccaagct	gtgcacttct	accgcaggat	cttccaaggt
13921	ctgaactgaa	aactgcgtct	gcatttccct	ttaccttcta	tgttttggga	aggtatctct
13981	aaactatctc	ttcaggacag	aagagaaaaa	ctacatggat	gcaaatcagt	catactgcat
14041	ttaaattatg	tgcactctct	tgttattggt	agttccttga	gggcagtctt	tgtaaccttc
14101	tcttttatatt	ctccccaaat	aaatgagtgc	ctggaaatca	taggtactca	agacctccac
14161	agcagcctcc	tccctgagag	attagggtggc	tggaaatgtga	ttagacacgt	gggcatctcc
14221	aggcttccac	acagcagtca	ttactgagtg	acagatgtca	atcctggcat	gaatgtgatt
14281	tgcaaggctc	caaaaacggag	attggattaa	atttgcttaa	atttccatta	ggctgtgtgt
14341	gtgtgttatt	ttttcttttc	tttttggctt	tttttctctt	aatttctaca	tctgtctat
14401	acactcccca	cgtttttcta	aaccattttta	gcagcagtca	accctgtgaa	ttggatgtca
14461	tatgcaatac	aaaatgtaaa	tcatgttcat	tagatgaaaa	acgcaatttc	ccccctcatg
14521	gagaaaactg	ggacaacaca	tatcagaagg	ggcacaatat	gacagtcttc	aaataagtca
14581	gtgtgcttcc	tgcattttaa	gctgaaatct	gtttgggtctt	aattgtgata	tttgcaaagt
14641	gtcatgcttt	cttctacatt	gaaagatttc	ttagctactt	caaaatgtga	attcgtgagc
14701	ggactacctt	ctccaaacta	ggatctgggg	aaccaatcct	aattgtattt	atacatgcta
14761	aagttccctt	gttctttcca	ctcacgcaaa	acgcaggata	aatataatag	cttctcttcc
14821	acttgaaaaa	gcacaagttt	tggagccttg	agttggctgc	actggaaatt	agaaatgtct
14881	ttgatgaggc	acagctgtct	tcattttctta	gtcacaaatg	tctaaagcat	tccaggaggc
14941	tgactcatat	acctggagag	ggaccatggt	ttctcatttt	ttctcctgaa	gcccttgact
15001	ggtcaggaag	agaccagttt	ctccttttgt	ctacagctag	gaacttaact	acaggatgat
15061	cttaagtaag	ataaaacctg	acatttcttc	accaccattt	gcttttcatt	ctcttacatt
15121	tgtctcaaac	ataatgtgca	gcacttagtg	atctttctgc	tatggagact	cactgaagac
15181	aagatcccaa	catggcaaaa	cttaagagtt	ttctcaccaa	tagctgctat	ctgcagcaaa
15241	ggaaagagag	cacctgtgtg	tgtagcctac	cgtccactga	aggagatcag	tatggacatc
15301	caggagtttc	tgagtctccc	agatagtctc	agacgaaagt	caaacctctg	agatgagcaa
15361	ttaagaacca	acatttttga	aactctttgt	catatggttc	gcagctttgt	gactctaaat
15421	agttgtcttt	ccgcaaataa	ttccattatt	ccacaacagc	aactcctctt	ttctgttctc
15481	ttgcagcaag	caagtgatca	ttactcacca	cctcaatcca	cccaagggct	ttcacctgga
15541	acccaaagtg	cgtaagtaat	taagatttgt	gttctttggg	gaaaggagta	tcgacaaaga
15601	tgtagcttgc	ttctcatgtg	agaaaagtac	ttacatacct	acacagttct	acttggagg
15661	cctatgcatt	ttactatatg	ttaattacaa	ctcaatttta	aaaaaatcta	ctagcaaaga
15721	caccattctt	ctcagggaa	ttgcccttat	ttaacctaca	gctataaatg	acagggttct

FIGURE 3 (continued)

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15781 ctagaacccat atactttgtc ccataaacga agcagtaaaa aaacctgaat atcttccctc
15841 caactaaaaat tacattatctt ttctcagtta aatcttccat tcaattacaa tggactatca
15901 ctatactatc tgggtgagca aaaggtataa tttacaagaa acttacagag ctgaagggat
15961 gagagaacta taaccttgca aagttgtgtg agcatctgag gtccacaca aaccagtggc
16021 ctagagaaca ggccctctaac ctcccttagc ctggagtggc cagagcaca gtggtctcaa
16081 cacataacag aaagaatgga catcttctgg ccaggcacgg tggctcacgc ctgtaatccc
16141 agcactctgg gagaccgaga cgggtggatc acctgaggtc aggagttcaa gaccagcctg
16201 gccaacatgg tgaaaccccg tctctactta aaaaaaaaaa aaaaaatacc aaaaaaaaaa
16261 aaaaaaaatt tagccgggta aggtggcagg tgcctgtaat cccagctact tgggaggcta
16321 aggcaggaga attgcttgaa cccaggtggc gaaggttgca gtgagccgag ttcacacccat
16381 tgcactccag cctgggtgat aagagcaaaa ctctgtctca aaaaaaaaaa aaaagaatgg
16441 acatcttttta aaaaccact atgtctatag ctcagtecca gccctgaaca accacattca
16501 accagcaaaa aattcttcgc gatgaaaaga tttacctcaa agaataaata acattaaatc
16561 gagaattcat aagcagtcag gagatttgag atttttattg agaaaatagc tattttgaca
16621 ttatatccag tttctcattt atcagaataa attctttaca atattgatca ccatcaccac
16681 tttagtgtat ttgtacatag tctctagta aatatattc acactcgga aggctagaat
16741 attgaaatta tggccaacat tgcctacttt aagattgttt actttataaa gaagctagag
16801 tagttgtgca actagaacag atgtttttta aatgtttgcc attcaaagat aggcttggtg
16861 ggacaaaact aatatgcata ctacatacat atatttcttg tcttctttac tgtcaatctt
16921 tcagaacagt aacatgacat tacaacacc tcaaattccc acttcaaaat gaacagaaaa
16981 atggaaaaac attatttccc atttcataaa attaaaaatc aagtcagaag agaagtaaaa
17041 ctcatctttta tgcatttaac ttaaaagctt gaatacacga ctccctctag agagaaggaa
17101 gccagaactt cagaagtagc cagtgggtcca aagaataaat ggccccatga ccttctctat
17161 gggttcagac ttactgaggg ctgatgcaaa ctctggcaag ttatttttca tgatttccaa
17221 ggatctggga tatgtaaacg aaatgattaa aagacatttc tctgaatttg caagaagacg
17281 actgaagaat cagaacaaag atccaacggc ctttcacgtg gctacatgtt caccattaca
17341 ccacaactca aaacccacag gcgagctttc tctcaaatac acattcaaaa tgggtgttcca
17401 aataatccaa ttgtatacat tgcaaaagaca cacaaaatgc ctccctacac acgattagta
17461 atctgggtttt agactctgaa gtgataccaa acatatttag ctaacctctc caaaattgca
17521 ggcctagtgga ggtttaaatg ttttaggata tagaatctgc ttagaattta gtgaaaacta
17581 tgaaccgtag actgtcttcg gtaatgaaca aaactggaaa atattaaact tcctttgctt
17641 tgtcactgag caactataag ctttctatga tgtatgtatc atactagctt gtatgtgact
17701 ttagtgtcat aaacacccat tgcctttttg gcacttttaa agtacagcca gaaaagggtt
17761 ggaaaattgt tctggaaata caagttgggt cctctgtct catggatgct taggaactgg
17821 gtagtgtgct gaaaccacca gttcagcaga ccttgtaca gctgttcccg gccaaactggg
17881 atcctaagga aacaggctgg aagagccagg ggccctccct acaaatgcct aaataaccaa
17941 catatctatg ccgacagcca tccctctctc aatgccatgg tccaagggag tcttgacctg
18001 tctcttccca ttttactacc actggctaga ggggcacca acaacaagaa acctttgtaa
18061 tgagtatgaa ctagcaaaaa cactgtaggg cagcatttcc ttaggtgtat ctctcagaac
18121 ataaatccca caagatacct acttttaaaa aaatctggcc ggggacagt gctcatacct
18181 ataattccag cactgtggga ggggtgaggc ggcagaatca cctgaggtca ggagttcaaa
18241 atcagcctgg tcaacatggt gaaaccccat ctctactaaa aatacaaaaa ttagctgggc
18301 gtggtggcag gtgcctgtaa tcccagtaaa ttgggaggct gaggcaggag aatcgcttga
18361 acctggggagg cggagggtgt agtgagccga gatcgtgcc ctgcactcca gcctgggtga
18421 caagaccaag actccgtctc aagaaaacaa aaacaagaaa tccatattaa aataaattag
18481 ggaaatgatg tataaaatag aggtgcttct tggagattta aaatgcacat tagcgtatca
18541 aaggtctgaa aggccaacag taactcaact ttgtctaacc cactatttcc caaacttact
18601 tggccacaga accctctatt ctctaacaa tatattctga caaaacactc cttcaggaac
18661 tgcttcaccc agaaccaaac aggtgagttt taaaaaatat tatagcataa tttcaaatga
18721 ttaataagga tacaagaga cttattttcc tgtcttttgt tattttgtct acttattttg
18781 ttctgaataa tcttctatca catttccctc tctattcaca aaccttcaac tcgagttacc
18841 ctttctgata cctttgttca agaattgtta ttcttatcag aaatccatgg cacactagtc

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FIGURE 3 (continued)

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18901 tggaaaaaaa taatTTTTgtg tctTTTTtaa ttcctagagt acctctccac ttcaatcaca
18961 atttaagtc agggcaggta tctgggctc ctagcaaaca ctacacccca acaagagttt
19021 gggagccaaa ttatTTTTgca aacccttaag aacacaaact aaaactaatt tatecttata
19081 tctctgcaaa aattagcatt ttgaacatcc aacgaaactt caagtttgag gataatgggc
19141 ttactgacct gacctttgat ttcacgtaac taacaacaaa tttctTTTaa atctggTTaa
19201 gaaatatgaa aatattgaaa agtaaacata aattccacaa agctgaatgg cagcaaaaaa
19261 tatttcttaa catcaagaac atatacaaaa gatgatcatt accacccaaa ttatctctgt
19321 tgctcaggat ttcagttata aaaatagcca aatcaagaca aagacaatta cagcttaaaa
19381 cgaaaagcta caccttcttc attaaagggt agcatcttgt cacactgtgc atatggagag
19441 agaacaagta caaggcacgg gagaactacc atgtcaaggg acagagcttt ttcaaaatat
19501 tttatectca gaagtaaacc ccactaccat agaaagaaaa aaatataatt agatatttta
19561 aatcacagca tttttgactt cctagggaaa aggagttttt ggttttaggg tttttttttt
19621 cttttctggg aaggcaaaat agatcttttag atatcatttg ttacaaacat gagtttttct
19681 taagaatgaa ataaaaattc tatttaactt ctatcatata tttattcaac taagttgaat
19741 actatgttta gaaaatttaa gttttaaatc atgggtttata tatagataat gatacattta
19801 atctatgaat ttactTTTaaa accactTTTta ttttgaaata cttagactc acaagaagtt
19861 ataaaaatag ttcagagaga tcccagggtac ccactgctta gcttctttt tttacatgta
19921 agcattttata tctaggTTTTt aaaagggttg aagtttttga cagttgatga aaaactgtca
19981 aaaaattgta acaagcctgg taaatgcata tttttggagg aggttctaa gaaacactac
20041 caagttcaag taccactttt atcacatgca gctgccttaa ccaacagggt ttctaagata
20101 ctatccccct tacctgtttc tgctctttc aatgggtgtt tccattttt acagacttct
20161 gaaaatttta gctttgattg aaataagctt cccatttct tcatgttaat atatctagca
20221 atattgaata gaaattataa atggaaataa aaatgcttgc ttttataaaa tctccagtct
20281 cgcagcacc ccaatataat acaaacaaa ttaagttgaa atttggtttg ttaatgcca
20341 ccttggtgtg tcaaacacac gttttgaagg aatgaccacc ttcaatgttc tttacagctt
20401 ctttagtggt acttaaaaaa aaaaaaaaaa tcaatctgat ggatgattga tggtagtttg
20461 ttcatggaag atcttcatct tatgggaatt atctagtttt tctaatacata tactaccaac
20521 aaaaataaac acaagcatgt tccctttaat catattatcc tccaccatta tcccaaaag
20581 gcattggctc acagtattct gtttaagatt gtggaccatt tatcccaatg aactcactca
20641 aactttatct aaaacatatc atgacaggct ggtccaacag tctgttcagt ctgaaaaaat
20701 gttctgtgct ctgttcagat tgacaaaatg tcttttttgg ccgggcgcag tggctcacgc
20761 ctgtaatccc agcacttttg gaggcgcagg cagggtgaatc acttgaggtc aggagttcaa
20821 gaccagcctg agcaacatgg tgaaaccccg tctcgactaa aaaaaaaca aaattagctg
20881 ggcattggtg cacatgcctg taatcccagc tacttgggag gctgagacag gagacttgc
20941 tgaacccagg aggtagaggt tgcaagtgag cgagactgcg ctactgcact ccagcctggg
21001 caacaagagt gaaactctgt ctcaaaaaaa aaaaaaagtt cttttctaa agcttctgt
21061 atgtgtggct gctccctaaa gtacttttg ctcagttaca gcttctgtc atctcattta
21121 cttatacata aatagctcaa ctaagtaacc caacatataa actctcacta aactcacatg
21181 ttgcatctta gaaaagggtga tctggaagca ttatggacta tagtgagaat gtaaggctaa
21241 cagcagttca aagtagggat gacacaaaaa caaataaatc atattgacag tcattccctc
21301 tactaaaaaa gaataatact tgttattcta aaatgacctc ttttgattaa aatttcagtt
21361 cataaaacat tacagtatgc ttttttatca aagtctacat atcagaagaa catgagctcc
21421 acgttctgtg aaaactttta acacattttt ctctctaata gacattagca gttttgttga
21481 aaagaaaaat tgacataacc tagcattatc ttttgacttt gcccatggag aaacttggag
21541 ttaaattttac tacttaattt tagaatctgt cagtgttgat atggttctat aaatttttaa
21601 tttttttaat ttaaattttt aaaattttta attcttttaa atttaaaatt tttaaattgt
21661 cctgtttttac atgtaatat cttgtaatat acatgtaatg tacttgtag ttataactgt
21721 aatataattt aaatactttt tggagggtct gatataaatc tgatataaat taaaaatgac
21781 tggccttgac cacagcataa gcagatgtct gatgaatgtg ctaaccaccc ttctccaata
21841 tacatccatc ctagaggaca ataaagtctc acagtcatga tttccaatat aacatattta
21901 ggtttcagac tgctggaata atagatttca gattgctgga atctaataat ctgcctttga
21961 agatgactga cacacacaaa cacacacaca cacacctgt tgtagaagta atgtgcaact

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FIGURE 3 (continued)

22021 catgaggtac tttccctcat ccaaacagat gaccaagatt ttgaagacta ccttattttct
 22081 cacttagtta aaactttcaa gaaaaaatat ttagaatgac ttaaagactc ttgtataaat
 22141 aactacctaa atacagaaca aattgggagg atgtgggtca aacacagctg agctccactc
 22201 agctcaaatt agatgagtct tttgactaca aagctcattt tcttaacata tgggttcctg
 22261 cagcacttga taagatttgc tgagcaccac agtaatcttt taagacacta atcaaaaaca
 22321 tggttctaca ttttaaaaac ctgagaagta gttttaggac aacagaagca cctcaaccac
 22381 taaaataagc aagttttctat tataagtaaa attaccacac agcaaatccc ttaacagttc
 22441 agcaaccaat aaatagaaaa tattcattaa aagctgctat ttctgattgt tcttttgtat
 22501 tcttcgacta taagtgaaac atatgaaaaa taattgggtg tcagaaagct tttgactaca
 22561 tgaatgcat cttatgaaag aatatgcac ttatgaaaga atatgagcca agcatagaaa
 22621 acttggaacca gatgcacagt atttctacta ccctggccat gggctcctcc tgagtagtgt
 22681 ctaacaagtg ggcaatttca gtaagaattt tacagcctag catagtaacg ataaccagta
 22741 cattcacttc ttctggaatt aatacaagaa agacaactga agatgtacta caaagacata
 22801 ggtctaaaac tgccacattt gcccaagtaa actaaaagaa ctcttcttaa cctatatcga
 22861 acacatcagc aaagaccaat gttatactga aatgagtatt atcagatgtt attatatgta
 22921 accaccttta atatttatct atgtgctact aaaccccaa aagattagac ttatgagagc
 22981 ataattaaaa agcacattcc tctcactttt ttaaagttaa atatgggtct ttctactgaa
 23041 gcaattttatc tttttctggt tcttaaaata ggcatcaaat ttctaaacag aagtaaaaag
 23101 cctcagccaa aaagccacat attagggtatt cagcctggtc taagaaaact aagttaataa
 23161 attgaataaa ttaaatcaaa taaattagga gtgcacattc agaacagaat tgtagccttt
 23221 ggtcagcaac atgtgaacca aaggcaaaaa tctgccatga ttaaggcagt tctttgtata
 23281 cagtacgatg tgtttttctt ccccgcccc ccaaccaagt tcatttagca ttctctttgt
 23341 tattaaaaat gcagtgccaa gctagaatac aagcttctta ataataatag taaaaataga
 23401 tggcatagaa agttcctttt ggttttagagt ctcccttaac acctattatg gtatcttctt
 23461 tttgccttca cacacttggt gtaagagatt actgcaacaa tcgtttgact ttggccacaa
 23521 acctgacta ctctcagggc gaaagccgtt ggaagggaatt attttcttct tctgctggag
 23581 tcaatttaag tgttggcagt ttccgaggag gaagctgagg gctttggcga agattgtcat
 23641 ccactctgtg aaagtacaaa agatacatct gactaatgct gtggcaccgc ttatgtggac
 23701 tgtggcctcc ccattccaaac tatagcctag aagagtacag aacctatgt ttctgggct
 23761 gctagagaaa cctttttctt caaaataatc tcaagaattc taaatgtcat acctcaata
 23821 ccagctgact cagtttctgt aaaaagcaac gtggctcatt cctgatacct tcacagaatt
 23881 atagttaatt ccacaaaata aatattctac tgaactcaac cataacttaa agaggtcttc
 23941 tgatagtaag tgtaaaagcg gtactgttac actaagctcc agtttgcaaa ctatgttcac
 24001 gtacagtatc ttatttgatc ttcccgatac gctatgaaga aaaggcagac acagaccttc
 24061 tctgttgtac agatgagcaa aacgagactc tgtaagggtta agtgatttgc cccacgtcac
 24121 aagctagtat gagagctgaa acttgaaccc aggtcttctg attccaaaac tattattctt
 24181 tcaactatac ttctttacct caatgaaaat gacctgtatt ccaatcaaaa aagaccagct
 24241 ttttaaaaact gagaataggt agacaaaagg aagctagtac attaggcaaa aagaaagata
 24301 aattcttttaa atgtaatcca gtggttttcc aaacactgga tcacttctaa atgaggtaac
 24361 ccacatcaag ctcaaataac acagtgggtg acctcaaaaa ctgttagcca gtgtcatcag
 24421 gctcatttgc cctatgagtt tgtaaaatag taagtattac tatttgtatc aggaaaaaaa
 24481 aaaaaagcaa gcttatcagt tacaggggaa aaaaatgta acctctttgt atttttctta
 24541 gtagaatcac acttgaaatt tctttgttg gttctctccc ctaccagtt cctcaatgtt
 24601 tctctcatga aaagaacacc ccaagtggca aaatatctac actggtgaaa aaactataaa
 24661 ctatatctag agcagagaag aacaagaagg agaaaaaaat aaaactttca tgtggaaaga
 24721 agaaaagaac acggtgctgt taataagaaa ggataagccc agtgcttaca atcttaagaa
 24781 acattaagag acagagaggc agacacacaa gcaagaagtg tttttgcttt gttttttttt
 24841 gtgttttttc tgatggagtc tcgctccgtt gcccaggctg gagtgcagtg gcacgatctc
 24901 agctcactgc aagctccgcc tcccgggttc atgccattct cctgcctcag cctcctgagt
 24961 agctgggact acaggcgccc gccaccatgc coggctaatt ttttgattt ttagtagaga
 25021 cggggtttctg ccgtataagc caggatggtc tcgatctcat gacctcatga tctgcccgcc
 25081 tcggcctccc aaagagctgg gattacagga gtgacccacc gcgccgggc gctttgtttt

FIGURE 3 (continued)

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25141 tttaaagcaa atcttttggga tttcctagct taaaggggtac taactgtgtg gcaaaagtaa
25201 acccaatact cttatctgat ctttcccca tcaaggccact gttggcttca aaacactatg
25261 ttacatacaa ctttagtgaa agtatattta aacagttttc tgaaaaacaa actctataaa
25321 aaaaaactaaa aggggtacagt taatgtgtga cccaaatgac aatattagct accgaaagga
25381 aaatactgaa ctatgataaa atgattgaag tagacttgac cttttcaatc aagttggatt
25441 ccttatattac aagttgtgtg agtttctgca gatttgcac taccgtttct tgtccagctg
25501 gagagatgcc taagaagcca ggacagaaat cagagaaaga caggaaatct ttaaagcctt
25561 taaagctatt tagattgaaa gaatttttgag tctaccacc ctgtccagt cccaccctc
25621 cccaaaaaag gcaaagagga aaaccattct gggtttaaag gcgaagagag ggattcgaat
25681 gctctaaaac taaaccctga gcaaaacgga caaaaattta tccactaagt agacactgct
25741 aaccaagtgt tctgcaattg gccacaataa ttagtttttt tttttttttg aaaaaaaag
25801 cacagtagtc ctcatctcct tctcaagttt aagctattcc tttctcacac ccatttcaaa
25861 taggtctttg gtcacaacta tctggatagt tttctaaggc agtaactccc aaaaagttgc
25921 ccaccagaca tccaaagtat tcagaagaac ttaaaaaatac aaattcctag gattgatgcc
25981 taaaagattc taatttagta agtctggaat aggaccaag attttttatc tgtcaataaa
26041 tcaggtttgc taaccactgc tcccaagtta acacggttga acattactta atttcatgac
26101 tcccaacta ctaaccctt cctgtataca gaatacataa cccacaaaaa atttcaatac
26161 tgtccaccta agccagctat ctttataacc tgtttcttaa aaggacaatt tcagccaacc
26221 atcccaatag aaatttagta tctgaatcac ttaagcacia ggctccactc tctcaatgaa
26281 gcacatccta agtaacaggt gccctctatt tactatactt ccattctgat gcaatcagtt
26341 ttcaagtagt ggaatcatgg cagtgtacct caccaaaatc aatctgctgc tgatttctgt
26401 tcatgcagga aaatgctaga agcagcaggt aaaaatcatt taaagtaatt gtccatttgc
26461 attaggataa atactgtttt tcagcaaaga cttataacct gtgggtttta ccttttagaa
26521 gaaaatgacc cacttcaaag gggtaatat taaagaacaa gaagaagaaa cgtaaaaatc
26581 cagcgggaata gataaaaaggc aaatatctat ttatctatct aaataagaac taacatgaga
26641 ataaaaatga agtcggaaaa acacaaatcc ttgaagtgtc ataaaccact atttaaagac
26701 aatacacaaa cttctaaaat taaaataagt agtggatttt gcttatacat acataggaga
26761 atatgcaaac aaacattagc tgaaaaagag ccagcttacc tccaagacta agcctaaaat
26821 aactgctcag gatgtcatca caaaagcgac agaggttggg gagctgtttc agatgttctt
26881 gtagctgaac tttaggaaac cgtactttgt aaagaggtgc aagaaaacca aaaacatagg
26941 catccaaggt agaaggccta gaaataaatt aaggattttt aaagcacata agacaatatt
27001 aactgaaggc cgggtgtggt ggctcatgcc tgtaatccca gtactttggg agatcaagcg
27061 ggggcagatc acttgaggtc aggagttcca gataagcctg gccaacatgg tgaaccctg
27121 tctctactaa aaatacaaaa gaagtggggc gtgggtgggg gcacctgtaa acccagctac
27181 ttgggaggtt gaggcaggag aattgcttga acccaggagg cggaggttgc aatgagccaa
27241 gatcatgcc ctcactcta gcctgggcaa caagagcaag actccatctc aaaaaaaaaa
27301 aaaaaaaaaa attaaattaa ggattttttt aagcacataa gaaaatacta acttgggatg
27361 gtgtttaatt tttttttcaa aattctcaat tctgaattac acagtatagt ctcttaaaag
27421 gtttactatc catttcagtt tacaaaaatt atgcaaccaa ggttttactc attgagtagc
27481 ttagactcta ggagaaaatg aaattgtctt tatagattca tttttactca caaatgttag
27541 actggaggca gagtgggaac agtctgagat gttttaaatt cacatatgca gcctattaag
27601 tcaatgttag attatcactg gtagaaaaag tttcctataa taaaagccca ttaaattttt
27661 tctttggttg ttttggtttt ttgacatgga gtttcaactc tgtcaccag gctggagtgc
27721 agtggcgtga tctcagctca ctgcaacctc cactccagag gttcaagcga ttctctgcc
27781 tcagcctccc aagtagctgg gattacaggt gccaccacc acaccagct aattttttgt
27841 atttttagta gagatggggg ttccgcatgt tgggcaggtt ggtcttgaac ttctggcctc
27901 gggatgatctg cccaactcgg cctcccaaaag tgctgtgatt acaggtatga gccaccacac
27961 cggcctaaat cttgtttttt ttaagtaaaa aactcatctt ttggggagat aagaggactt
28021 gctttaaata gctgctcact gaatatatgt gcacaaaata ccaaatgat ttttaaggga
28081 atactcacgt atctccaaag aaaaactgag atgttcccaa tctgtttgat agaagattta
28141 ggcactcctt ggcactctct tatatcta ataggtgaaa ttatatctca aaagtagaaa
28201 agatactcta aaactacttt tgaggaaggc atctctaggt aaactcaagt ctgcatttta

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FIGURE 3 (continued)

28261	tcttgtcctt	tctctctagg	gcccttgctt	gaagaataat	ccatactata	cctgtgcttc
28321	cacttctcgg	aggtggtaga	ggggaggctg	tcctctggtc	aggagaatcc	tattcagtgc
28381	tcctttagac	attcttccag	gcaggatcaa	actcaaagga	aaaggaatth	gtgaagcaaa
28441	ccatggcttt	gtcacagtaa	agtaattgtc	actctcaacc	cagaatgtgt	gaagctgcaa
28501	aagaagagaa	aaaacactac	aaggatgttc	ttttattaaa	tgaaagatca	ctcaatcaac
28561	atgagagttt	ttcataaata	tcttttatatg	aagtgtcttc	atacaaattt	tccagttaga
28621	atgactcagg	ataaaacaag	attatttttaa	atgtgtgagt	ttgtgtgact	gctatcttcc
28681	aaacacccag	aacaaggcct	gacacatagc	aggtgttcaa	taaacatttg	ttgaatgaat
28741	gaattacacc	caattctata	catggagcaa	aaagatccat	ctcccacaaa	gaatttccaa
28801	catgacattt	tattttactt	tgttgtttca	catactagtt	gaatgcctaa	cagaatccag
28861	tttcacagta	atatgaagga	attaagatta	acataataagt	aaaattttct	cttaagactt
28921	ttctcattgg	tttttttcta	aacagactat	gtacattttgc	aactaggcta	ctaaaatact
28981	gtaatathta	agaacactca	ccactgcagg	gagaagcttc	tcttcgagga	gagcaatata
29041	agccaatgta	tctgcccctt	gttttgctga	gagttcataa	tcagcattat	atttctatta
29101	aaaaaaaaata	aaccaaagaa	actcagaagt	caaagagcag	cccaaagaca	gtaaaactaa
29161	tcaaatcagg	attcataattt	ttccttacaa	atagcaaacg	tggtattaac	atggggagaaa
29221	gagaaataca	aatccagtga	aacctattgc	ttaatgcaca	taaagttctt	agcacagcat
29281	cacatacaca	atatgggtcaa	taaatgttac	aatattaact	actattattt	tcagtcttgt
29341	taatgaccta	gttcagtga	tgcatgttag	tacaaacaaa	gcaactatta	tttttaacaa
29401	gaaggaaaca	gttccaattg	gctgtgtttc	ttcccagac	aaaagaaaaa	acctccaat
29461	ttataaaagt	tcaaaatgtt	attgacacaa	tttttttaag	tacagtattg	gcaaaacaaa
29521	taacttatcc	attcatataa	atctttacat	gtttaaacat	tttgataaca	taattctcta
29581	ctgttaaaac	atttagatac	attattccat	aaaactgcta	ttaagagctt	tttaaaaata
29641	atatagttgc	tagttgggtga	gagctcaggt	gtcatgccc	gcacaaaatg	tgtaccaact
29701	atgtgacaaa	atacacaatc	ctatcaataa	gtttaatagt	gaaaatggct	aattaaatct
29761	acttacatac	aaattttcaat	aaaattcaag	caaagtttat	taaaatataa	actgactacc
29821	tcttcatatg	acttttcaaat	cacagaactc	atgctttaga	gcagtgattc	tcaaatctat
29881	ttttacatct	tgtcccagggt	atctccaatt	gtctaattgag	ttggcaaaaa	aaaataaata
29941	aataaaaata	agcccaacat	gcagggatca	acaatctacc	aatctacttc	ttcaaagtga
30001	accaccaccc	tgttttctta	aaaagtttag	tatttttgct	ggctgagaaa	ccatgtcgtc
30061	ttcagttgtc	aaaattggta	cctgcctat	aatcaaaaaa	cagtttacat	acaaggacac
30121	agtgtgattt	cctctgagag	attccaatat	cctaaaaact	atagcagttg	cacattttaga
30181	ggggaaaaaa	tgagtaagct	tgtcttggtt	tttttgctgt	ttcacaaaga	gcggttctaa
30241	agaacatttt	cgttttctcat	aattttccagt	gattttcgctt	gcactttgag	gtattactca
30301	gaatgatcaa	accataaaca	acacagagcc	aagggtcacg	taagaaacta	aatcctcaat
30361	attatagcta	tatacctcac	agcttttaaat	ggaagaagaa	aaaaaagagt	gcagaaaggg
30421	gagtgtaaag	gtttacacta	tacctcttga	acctctccag	gtgttatcta	tcacattgac
30481	tttcaagggg	gcaccagaaa	atttggcata	agcctgaaac	agagtttgca	atcaaacatt
30541	ttagaccaag	tgcgtaatgc	aaagctgcag	agcagcttta	cttcacagcc	ccatccccc
30601	aaggcagaag	gcgactgata	ctgaggccgc	atccctcccc	gtgatctcaa	gtagggacgc
30661	gggcgcagc	caccgggctt	tgcaggactt	tgctccccc	aaggtoctgg	ggatgcagag
30721	tagggagggc	gcgccccttg	cttcgggggt	tactccacc	gccagacag	ctttgtgagg
30781	cggacaaaa	tgggagccaa	gcggagaagc	cttgatgtcg	ccgcccgcct	tggcgggggg
30841	tatcggccag	gttgggactc	gtcgggtggga	gggagcccag	ggcaatgcag	cgtgcagcgg
30901	ctcggccctc	ctggacccc	cagcgcagcg	ggaaactggg	gcaagtgcag	ctggcgccctc
30961	cagccccgcc	ccttctctct	gcgcccctgg	ccgcgagggc	gcctcaccat	caccaccagg
31021	gactcgtgtg	gaaccgatgg	gagtcctccg	ccgcctcccc	agcaactgag	ttccaagggg
31081	gccgccatct	tgcgcggggc	gacctttact	atcccgaag	tacttttctt	cctaatttcc
31141	ggcagtgtaa	acgcgggggc	gtggctaagg	gagggaaagg	taatttgggg	gctcttgaga
31201	gatgagagaa	acaacgactg	gagggattaa	gaagaactct	taggagcagc	ttggcctaaa
31261	gggtaagagt	tgtgtgcctt	aagtcagacc	caccagtaat	tcttcaaata	ttaatathta
31321	ttagatccct	agagtgttcc	aaaccctttg	aacattaaat	ctgtgtgatg	cctaaaattaa

FIGURE 3 (continued)

31381 cctgttttga aaacagggat gaccagat ttacaagatt gtggtattta caatgtcgga
 31441 gagaaagaac ttggcacaca ggaggcactc agtaattgtt caaccccttc tcccatgtat
 31501 gtggcctctg cctgcctttc cagcctcaac ctgttctcac cctcatgttc actggcacia
 31561 ccctgcttaa aagttacagt atttctgaac gtcaggtaaa ttgtgcccac cttcagtgtc
 31621 ggctccttcaa tctggaatat ctttcttccc tatgcagctg ctccctcaaa aatgagctta
 31681 actcaccttc cctgtgatgt ttttacaag ttaggagctc tgggttcttg tagcccttg
 31741 tgcataattg aattgtagct tctctcccta gctacagacc ttttgccttt cacagaagag
 31801 ggctagcttc ataggtttg gacctgtgca gccacacaag gctctgtgct taaaaaggct
 31861 cctcatttgg ctgatgtctc tccgtcactg tcttgaaatt ctttaagttt gaacaagggg
 31921 ctctgcattt ttattttgga ctgggcccct caaatcatgt agctcgtcat gtctgtgggc
 31981 ctaatgagca cagactaaat gtttcttgac gttaaacctg acagtttctc agaaaaacta
 32041 ttaaagagga aattttggtc ttggaaatgc tatgatccaa acatatgact gggctcaga
 32101 gttagaactt ggtgtctggg tctttttctc agaaggcaca gtagtcttcc tgggacacc
 32161 tcgcagtcac gcccttgagt tctttctctc attccactga gatggtcgga tcttcttaac
 32221 taaaactcaa aagaaacctc tgcaactttt cgtaaaatta ctattcaaca aatatttgc
 32281 aggcactccc ttactgttta cataatcatt caaattacag tgccagcctg cttaagtctt
 32341 ttttacatgt ttcaaaacca agagttctaa gaaatgaaaa agagatatgt cagaaatgag
 32401 aattcattaa taataactgt ataattggaa aatgcataac atatgtacca ttaaaactgt
 32461 cgaaacattt attgagcagc tctatgtctc tagacatcat aaggttcttg aacaatacag
 32521 aaatatataa aacatgaatt ctgtcctcgg gagtttacag tgcacaaagg agatatacac
 32581 acaccaaggt gtaacaagtc agataatcac gagtaggggt agaaatataa gcaaaatact
 32641 acagaaacac aaaggaggga cagtgcattc tctgtgtgat cagtggagac tatctgttga
 32701 gtcttcagta taaagaaagt aaagtaattc aactttcaga ttgtaatgga acctccctgt
 32761 tttgaggggt agaaatgtca aaccatagac tgacaaaggc aaggcagggg gaaagaaaat
 32821 cctaagccat aaagctgagg gtccatatac tacattcagg catttaaac aatcatacag
 32881 aaagaatgtg gatttcttga gccctgtttg tagcaggact gagaggagt aatgaacatt
 32941 cttagtggac acataacaca gttactcagt ttggccttct tccgtactgc tgctactaca
 33001 tacagtgatt tcatttgcac taaagagaaa ttaaatctct tcccttagtg ttgaattgag
 33061 acagaatagc atgtcattgc atctgatgaa agaatcctta cacacagggt tattagtga
 33121 tagataatag caatctttta ttgtgcagt tctcttgag agtctgtatc tgttagattg
 33181 aatttaaaaa actcacaac agctgattgc acaaacaggc tgaatactgt tccagagaa
 33241 cacacagaaa attgaagcct tcagaaatta tgcttggtat ggttagtttg cctctgtgcc
 33301 ttttctggc tgttttagag tattgttcag agttcatcta aatcataact tcagattcct
 33361 accgggaaga atactgtctg caaaacatcc atgtttgtgt gggatggcct gaatcacagc
 33421 ttataatga gtatcccaga cagtgttttc ccaaaaaag aaatcttatt tttcaaaaga
 33481 tgatcattaa gaatggtttc atctggtgat agtcatctga actcaggcaa cctgaccttg
 33541 gcatccatac ccatccttca tgtgtttctt aacttgggag ccacagtgc aaggttgtta
 33601 ggctcttttt gtctgggtga ttaagaatct gggaaatggt gctgttggga aagatgaaag
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 33721 ttaaatatcc ctttgaactt gaagattctg taatttgtgt tcagatataa aatccttaag
 33781 gaggggaaag aacaaacact gaatagaaaa aaggagagct gagttcttga cttggcctct
 33841 gattagccat atgcgcttgg gccaatcatt ttacattgat acctctgctc attcatttat
 33901 aaagcaaaag ttcttttata tctgagatgc tatcatttta tgtgtaatga acatttaata
 33961 atttctgaca tttatggagc aatttctaca tgccagaagt tgtttcaagt acttaacata
 34021 acttgcttta tctccataat gatttcatga cacaggtaac ttcctaagggt taactaacat
 34081 ctttgtgtcc ctccctgaaa atagaagaaa atatcagtac ccataatagcc agtaggtggt
 34141 agaaccaaga tttgaaccca ggcagttttg gcttcagagt ttatactctt aaccactgtg
 34201 tcatactgcc tcattgtagc tctgtgttag tccattaaaa agcccagttt caccacaaagt
 34261 ggagatatca atgccatgat attattgtta ttatttatgt aaataatatt tgttttagtat
 34321 tacaccatta aacgaattca ttaagcagct tctgtatgcc tagcacactg caagcctgtc
 34381 agggaaataaa aatttatgtt cgctgtaat cctagcactt tgggaggagg gatcacttga
 34441 acccaggagt tcaagacaag cttggacaac atgatgaaac cttgtctcaa cagaaacaca

FIGURE 3 (continued)

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34501 aaaattatag ctgggcatga tgggtgtgtgc ctatagtctc agctacttgg gaggctgagg
34561 cgggaggatg gcttgagccc aggaggagaa gattgcagtg agccgtgatt gtgcaaaaac
34621 ttatgttcaa gcttttagag gcacagttga tgaaacaagg cccacatatt tgaactaact
34681 agagactatt aggaagtacc attttgtcaa gaagacaagt ctagtatggt tttagacaaa
34741 ggcttgaatg tactgcaatg cttggcaaag gcctaataag agaagatgat agctgatctc
34801 gaaggggtggg tacgttgcac ttagattggc acagagtaag gcattgcata tgggctgtgc
34861 tatataagtg aaggcataga aacaggactg actatggcaa ggaatctgaa gatgagtaaa
34921 cgaatgctgg gtttgggttat aagctggaga ctgctcaggg agagtattgg ttgactaact
34981 tgagaaccag aattggaagg catgggaatt tatagttttg agaaagtaaa gacaagtaaa
35041 agtccaaata caatattagt ggatttacat agtcaaggat gggaggtaga cagctattgt
35101 tacatggaca ttataagaag aagcattttta taaaccata aactatatta aataaagtaa
35161 aagtgtggtg gaaaatgctg ctgaatatta ttggaggaag gtcacttggc acccttccgc
35221 tgagcatttt tgatagagga ggttgttaga aatccagtg caagggatta ctggagaaaa
35281 gggatataaac gataaggaca ggtctaagag catgaggaat atgactgata aaggaagaag
35341 agaaatggga caggactgaa agactcaag tttttgaaag agacgacatg gtgaatctac
35401 acacatatga ggacaaaatt ggcattatag agtaaaagtc tgaagatgct ggagagaaga
35461 aggatgggat cctagaaatt gccctaagag ttgaggctga gatccggagc ttgagcagcg
35521 gggctggcag gcattgaaaa tgagagacat gctctcttct tgacactgga ggaagtttca
35581 aggggaacta tgggatgctg agtagataaa tcagttacct tcaaatttcc ctattacatt
35641 agaaaaaaa taaaagtgcc tgagagaaag agattggggc tttaaaaaga cagctgggca
35701 cagtggctca cacctgtaat ccagaaattt tgggaggcca aggcaggcag accacttgag
35761 gatcacttga ggtcaggagt tccagaccag cctggccaac atggtaaaac acaatctcta
35821 ctaaaaaaaaa aaaaaaatta gctggatgtg gtggcgaca cctgtaatcc cagctactca
35881 ggaggctgag gcaagacagt cgcttgaacc cagggtggcag aggttgcagt gagctaagat
35941 cgtaccactg cactccagcc tgggcaacag agtgactctg tcacacatac acacaaaaaa
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36061 tgacagtcgt aaaggtcaaa tgtaaatag tattaaggcg ataaatcaag ggagagccat
36121 gggcaggcta atgattaggt gcctctttta acagatatct tttaaatatt cattcagttt
36181 ttttaaatgg aaataaagt ggccccagaa tgtaacaaga tcaattttata ttttaccat
36241 tattttaaaa gttttatttg gaaatccgga ttttagtacc acttaaaagt tggctctgag
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36361 tgtagcttca gcattgatgg gcctcagcca tccctgacgtc tagctaaatt tgtcagttg
36421 tgtggcttcc tctaaagata ctttgttacc cagaagcata aaaagccaag ttcatgtatt
36481 tggtagctat gtgaagggtga tcaggcagta atatatactg atagggattc attttgcctc
36541 tccagcatag taaacctgct gtcttttgta tgaaaaagaa ttaaatgaaa ccaaatgag
36601 aatattataa tctgacattg tgctgaattt atgttgagga aataggacaa ttatacttaa
36661 aaaatgaggt ttgtaaaggg tccataggtg aaataaggac cttataatgg aagtaataaa
36721 tggaaataac ggaagcctta tttctatact tcaactcaag tggtaaaacc taatatacca
36781 atagactgtg atgttaaata tgtatattat aatactgaga gtagccacta agagaactat
36841 acaagtgata tactcaaaaa tactaaataa atcaaaatag tttttttttt tttttttaag
36901 tccaagtaac ccacaagaaa gcaagggggc agcagggggag tgatagggtt gaagtgggga
36961 ggtagtcaga gagatgagaa gttgagaata aacagaaaaac aggttaacaaa atggcaggct
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37141 acttccttca aacatgacat tggtagatgg aacctaaaag gatggaaaag ttataccatg
37201 caaacattga tcaggaaaaa aaaagtagta tgcgtgtatg tgtgtgtgtg tgtgtatata
37261 tgaaggacat tacataatga taaatggatc agtcacaaag acaacatatt aatcccaaat
37321 gtgtgcacca aacaacagt cttcaaaata catgaagcaa aaactgatag aggtgaaaga
37381 agaaatagac aaatccataa ttttaactat aacataagct atagttatac ccgacactca
37441 gcaattgata gaactactgg acaaaaaata agcaaagata tagatgaatt aaacaacagg
37501 atctaataga catttatgga atgccccacc cagtgcagac agaacataca ttatttttaa
37561 gagcctatat aacattcacc aaagtaggct attatgagtc ataaagcaaa cctcaacaaa

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FIGURE 3 (continued)

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37621 agtttttaaat gaaataatgc agaatatatt acttgactgt gctggaatta aactagaagt
37681 caataacaga aagataacag taaaatctcc aaaaacttgg aaattaacat acttctacgt
37741 aatcagtggg tcagagagga agtgtcaaca gaaaagaaat atatacaatt gataataaaa
37801 atacaacatt tcctattaag agaatgacaa gaagccacag actgggagaa aaaaatttgc
37861 aaaacatata tctgttaaag gacttgggtc caaacatac aaataactct taaaacttac
37921 aacaagaaaa caacccaatc atactggatt aggatagact gcaaatccag tgattggtaa
37981 ctgatatggt ttggatttgt gtccctgccc aaatcacatg tcgaattgta atccccactg
38041 ttggaggagg ggcctaattg gaggtgattg gatcaaggag ggattccacc cttactgttc
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38281 agtcaattaa acctcttttc ttcataaatt acccagtttc aggtattcct ttgtagcaat
38341 gtgataacag cctaataaag gtgaccttat aaggaaaaag agacatagca acacagacgt
38401 agaccagac ccaaaattgg tgaaatctga atgaactctg tggtttgtac caatgtcatt
38461 ttcattgatt taatatcgta caatagttac agtagatgtt acaattgggg gaaacatccc
38521 tgcataattt ttttacaact tctgtgagt ctatacttaa ttgaaattag atgtttttaa
38581 aaagaattaa aggtaatgta atggcatgtg atgcaaaaaa tgggcacatg aaatatccag
38641 agcattcaac cagatggcag ctaaaaatgt ggaccatctg ccttcattga actttgtatt
38701 tcggacatct tttcatcagc aagaccatgc catttaaatt tttcccaga agtgatgctg
38761 agctatgttc agtggccaca tggctctcta gaatcagtaa caatgaataa ggatggacag
38821 ccgggagtaa agatgctctc caggaaatca tcttaggact gggtaacccc actacacccc
38881 tgggattcag tcaaccttgg aaatcactgg aatccttaat ataaactaca aacaatccag
38941 cattctctgt ttggctaaaag atacatttca aagttttctt taagaaaaaa aagcaatata
39001 ttaaaacgct ttgtttgaat atatgtatat ttgctggatc aatagttcct acagccatat
39061 tactaaaatt aagggtctatg gcataataag aattactata attctaaacc cattaacagt
39121 ttatagctta tccatttctt atactatccc tgtgaggaat aattatatca agctttatct
39181 gtttacacca aacaggaaaa aatagatgta tttattcata tttcctccat tggattagcc
39241 aagtctacta gggagcaaaa atagtaaat cacatgcctc ctttttttat ggtagtaatt
39301 gaaaaagtta tggatatgat cccattttct gaaatgttta aaaatgagtg tataaaatga
39361 tcttattttc agaacttaag tcattatgtg tattgtttat agggagttag attacttttc
39421 cagattaata ggctgccatc gataatgaag aacaaataaa tctgccttg tgaaatgctg
39481 ccatttttaa atttgctga ggaaagattc attattggag gattccttgc tttatacata
39541 aatcgcttta aacagcaaag tctcctagca tttaaaaata gtccatatat aaaaattctc
39601 tcaatccaca atcatgtcag ttgtgtaaaa tgagatatat ctggtctgat acctcagttt
39661 atggaaattc ctcttgaaat gtcagtcatt actcacatca gtgctttaaa tgccatctta
39721 gcaaactaaa agaaattagc gtacattttg agtaatggaa gtgagttagg aagaggaaag
39781 aacagggtcc aatgagtttg aaatggtgtt tacagttggg tattgttcat agcttttga
39841 actgtcttgc tccccctatt catcaagggt ctgaggcaac aacattaaaa tcaacccaag
39901 aagtatactg agtaggtata tgggagaatg gcattattaac ttcttgataa aatgtctcag
39961 tatgtaaata cttatgaatt attattaatt tatattactg tacttacacc atttgattac
40021 acctgcataa agctgcatac tcatttttac ttcaaagca ggaactaact cttatatccc
40081 ccacagcatt tagttggcac ataatagatg cttatagttg atggacacaa aacatattca
40141 actattacaa gaacagaact tttattgctt cttcagtttc aaatgtctca aagttacctt
40201 ttgcttttga ccacaaagtc taccctctct tatggtagtt tctcagggtg tctgtgtcct
40261 ctctttccat tgcattttct tctccacat ctaccagta actggagtct tctcctttt
40321 gctgcccctt gactacaagg catttccatc ttttggcttc ctaatatgtc atgcttctg
40381 ttattgccac cacagccttc catttccag ctctcatttc catcctaggg atgggacagt
40441 aaggctgtca tgaataagca taatttatat gcctttttct ccatttgttg gtatggataa
40501 ttaagtgacc ttcaactttc attcaagggt aatcatagcg ctgaaaacca aaaggataag
40561 atgagagtga gcaaatacaag tccagagagg tgtatttcca gtgtggaaca gtaactcagt
40621 gtaaatatcc aggagagagg cttccaagag agcgtatgtg tgtgactgg tgaggggagg
40681 aagggttacg ggcgggaatt gtggtagaag cttcctgagg ccaaagaaaa cattcccaga

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37621 agtttttaaat gaaataatgc agaatatatt acttgactgt gctggaatta aactagaagt

FIGURE 3 (continued)

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40741 ggggtctctat tttaaagaaa agattttctt tctctgattt tttttatatg tagatgtctt
40801 cattatatat ttggacctgt ttttaaaaca gcttagtttt agatttattc ttcgagataa
40861 cttgtacctt tggacatcac caacagctta caaaaattag accagttgac tctcaataag
40921 acttctcacc tgatccatga gcatcatctc tttatttggg tttcataagc cagatgatat
40981 cttaaaattg gcaaatataa ttacaactcc gttgaacata tttttctcca gaaaatgttt
41041 tgagtacaaa aacgacatct agaggtgact gtcaatatat cttttctttg cacgtactac
41101 atatttggtg ccgtgtttta gaaatatttt agaagtttgg gtaacagaac cggcagtggc
41161 atttattgaa ttcttctcca caataactga agggatagta ttatactcgt tttgcagata
41221 taaccctttc aatccaacta atatttatta agtttactaa atgctggcac cagtataacc
41281 aagatcaatc agatgtagct cttgttactg aatggcgtac atggaggaga taaacacagt
41341 aacgtccact cttgtgtggt gagtgctgtt ggagattaat taagtgttat gaggttatag
41401 aagaggaatt attcaccat ctgcagaggg cttggggatg aaacagtgtc agtgaagcac
41461 tcctggagga ggtgtaccag gggaggtgtt ccagacagaa aacagctgaa gtaaaaacat
41521 ggaatagagc aatagtatat tgtggtctga gaactacgta taattcaaca tttcaggagg
41581 gtaaaagtga cggtagataa tgatgagaaa taagactgca ggcacagtca gaggcctatt
41641 taccacacac aaggaatttg gagttggagg caccaagggg aaatatcttg tttcaaaaag
41701 tgattacatg aggatttttg cccagttctg tttgtctcca aagccatgat ttttacatta
41761 aaccatattt acttcataga cattcttcaa attaaccatt taccaaagat gtaaaaagt
41821 tataagaaga aaaacaatac taatttggaa gataataaaa gcattatttg gaaaaagcca
41881 gtgtagtata tctatttttca atttgaactt tgagtccaat gattagacat tttctagtcc
41941 catattttat accataccat gcagtctgct tttgttaact atcatataa gtgaaatgac
42001 aaactgacca gcactaata ctgggggttac actggtgggt accctacaac aggcgttttg
42061 ttctttggta tctaaccact accttcagta gctgcctgac aaagatgtga atctgaggcc
42121 acactacctc aagggcacct ctaccaagac acatctgctg ggctaataa aaacagaggt
42181 ttctoctago cctagcattg gagactgaca taccctcaat ggatgtcagg ggagaccag
42241 tctaagga tgactctcct gcccctaacc cattagcatg tcccaaaaag aaacaggaga
42301 ccaaagacct ttgccttgta taacagtcac gctgcctcgg aaaagctggg aagtccctc
42361 ccagtgacct catgctctat cctaattgtga acgatgttca tgctttttca tcaaatcttt
42421 taaatagaaa ggggtgcagag aaagtcaact gtaatcactt ggtgcagagt gcaggagag
42481 agagcatttc atattcaaga agaaattgtc caagcagtaa atggcattgt ggtgagtcct
42541 gtaattggag atagttaga aacactggag agctgaggaa actccagaag ggagaaaaaa
42601 aaaaaaaaaa aggaaaaacct aagaacaaaa taaaagagtc taaaatttac acagaatcac
42661 aaaaagactt ctgaacaaaa tagcattgat ggtgctggga aacttaatta gtgcataccc
42721 cttacagcag gaggtgggta gaggaactgt tatgttaacg aaagatcatt tgaaaaaaa
42781 aaaaacaaaa acatgttgtc tttctcttta aaattttaac taaattccct gattcttaac
42841 agaacagggg atatacattt ttcactaagg aacaagtgtg ttttcttaaa attccatatt
42901 atgatctgtt acaggtgagt ggggtggcaag tagaatattg tggttaactc ctgggatgga
42961 gaaagggtag ggggaatcgt attattaaga gagggatata ggagaggcct cagtaatttg
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43081 cctttataaa tgccataata ctacaaacat ttcataaact tttaaaagt aattggagat
43141 tcgggcaata tttagggaaa tgagagggcg caagaaagag atcagagggg cagaggatga
43201 gaagaagagg agaagtaagt agggagagag agaaaaaggg aaggaatggt tttgaacct
43261 gtgagctttt ggaaggggta ggttagaggt cacatcatgc tgttttctt atcaattctt
43321 accctgattg agtagctctc tacctgtttc tcaccaaag gttcaagcag ctgccatggt
43381 attctcatct ctacttccca gccacaaaac agctccagcc aacataaagc agttcttcca
43441 gtagaaaaaa gaaaaaaga gcacctgcaa ttcctcaag aagaaaagaa caaaaaacat
43501 gagtatatat gtatgaatga acctaaagca gctctaaact actccctttt ggggacagaa
43561 gcagatgoc tgcacaaatt caaaatgaaa tcccatatct ctgaagacct cctcttatg
43621 ttactgtata atttacatgc aagttgtctg catagttaat cgtcctctat atccctggt
43681 atttatcacc aaaagccgct tgttgagagg ttctggagaa gctcttcatg tatcccggt
43741 tttaaacatt tttctacaag tctgtttctt taaaattaaa agttagctg agcacaggga
43801 ggatctggta gtaagtagta gggaggggtca ttcatacttg ggatgttgct aatgtgacct

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FIGURE 3 (continued)

43861 gcatgattca gggccagaga ggtgaatgaa gataaaggga actaagcgtt acagccaaaa
 43921 ggggtctgaa aatctcctag tcagattcct cagtttccac atttgacagt agctttcgca
 43981 gggaacccca tccaccatga ctgagctgaa actagaagcc aggtttttca ggtgtcattc
 44041 aggggttgatt taggggttttg gttttctcct gcaaaatgga gaaaatggga aaattttaga
 44101 ttatccatgt tagaaggatg atgaatgtgt gtaaatgata ttgttcagat tctgtgagtg
 44161 ggaccagcac catattggac tggcctaggg aagtcaggat tctgccttct aggtaggtgc
 44221 tcccatctgt tgggtgacctg gaacatctct ctgtgttcat tctggagatg cagatctggg
 44281 tcccgagac tcagaccttt gcaggacact aggttgccc cttgttgctt ctcatctgct
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 44401 aagcaaacag ataaaagggt agtgaagtgt ttatccacta gagcaaagcc acaacttttc
 44461 gtattattta gctcttatta ttctaaattt taaattgttt tttattgttt cacttaccat
 44521 gtgtaacttt cacttttcaa ttacacatgg caagtgaag aataaaaaac aattttattta
 44581 ttttttattt ttattttatt ttttgagaca gagtcacgct ctgtcaccca ggggtggagtg
 44641 cagtggcgtg atcttggctc actgcaacct ccgcctcccg ggttcaagtg attctcctgc
 44701 ctgagcctcc tgaatagctg ggattacagg caccacccac cacaccggc taatttttgt
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 44941 gaaatgaca gtaattaaac aaaggtcaca cggaaaagtt gcccttgata tatctggga
 45001 caggggtgggt tttccttatt ttcttagct ccttttgta atgtttattt tagtgcctta
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 45241 tgcagttatc tgaattaagt gtactccaaa tttagtttac aagacctgac aagtttgtga
 45301 ataagttaat tcacttctaa tgtattttta tatacccaaa ccacaaagca tcttaaactt
 45361 tgtaaaaaga gtgtgcacgg aggaatgagc actagatgtg aattctagag aactggggtc
 45421 caggtctctgc tgtgtattgg cctgagcagt tcaactaact tccctgagtc ttgggtgctc
 45481 gttttgtata aaggggaacc tgatccctct tctgcctggc tggcagagca ctgtgagact
 45541 ctggagaaat gacatatgtt agagatgttt ataacctgga acacggtaca cggtatgttt
 45601 tgtttgtggc attttttttt tttttttttt tttgagacgg agtctcactc tgtcgccag
 45661 gctggagtgc agtggcgga tctcggtcct ctgcaacctc tgcctctcag gttcaagcaa
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 45781 aatttttgta tcttttagtag acatgggggt tcaacctgtt ggccaggatg gtcctgatct
 45841 cttgacctcg tctccactt tctcagcct cccaaagtac tgggattaca aacgtgaacc
 45901 accatgcccg gcctgtggca ttgtttttta actaaagcat gtattatagt tttcctgaaa
 45961 agtaaagatt tccagaaaag gaattgggaa actcttttac cctcatagtt ataaaaatg
 46021 gaggtttcct tctccaggt tggtcagctt cctcttgat atggtttggc tttgtgtccc
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 46141 taggagaate atgggggtgc tttcccctgt actgttctca tggtagtgaa taagtttcac
 46201 aagatctgat agttttatca gggatttccg cttttgtgtc gtcattctct ctttgctgc
 46261 tgccatccat gtaagaggag acttgctcct ttttgcttc tgcattgatt gtgaggcttc
 46321 ccagccatg tggaaactgta agtccaatta aacctcttg ttttgtaaat tgccatcag
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 46561 gtctcactgc cattgcaaga gctggttttag aataaagggg gcagggtgga tgatgaagga
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 46741 taaaaaggaa ttttaaaaaa gaataaagg gtagctgtt cattcattta ataaacatgt
 46801 attgagcaac aactatgtgc caggcactct tctagatgcc tgagggtgat aaatgaacaa
 46861 agtggacaaa aattccttcc cttgtggagc ttacactcaa gaatatgaga ccaaggagat
 46921 acagtctcag aaggagcaga gacaaggaag agtcaatgat gccagtgaa caatgggata

FIGURE 3 (continued)

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46981 aagotttagga gtgttcatcc tcattcataa ttccatagcc cataaacgtg cagaccacaga
47041 cttgaccata atgtgactag atactaacag ggagtaatta agtttatttt ttccatataga
47101 atttcacaga catatacaat agcatgggta aaagaactaa attaatTTTA tggtagtaat
47161 tttttccaac tctgatattt tgtgtcagct cctacttgtc ccagccatgc ctatctgtgg
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47461 actctgtcaa gtgatgtact tcttgggggc catctgcctc ggggggtggaa attgtgaata
47521 gaaetgtagc ccagagaatc attgagagac taggtataag ccagtggcag aacctcaacc
47581 aaaatgcccgg gcttgtgacc cctagccctg ggctcgtgca cataacacac agtgctctga
47641 aatatcattg tttggggcat tattgtcact tttcttctac tgatgtggat ggcatgttgg
47701 attttatgaa tatcaattat tcagattctt ctcaaatagt aattagttgg ttttgagagt
47761 aattaaggca atagatgtct ctacaagaaa agagaatgaa agaccctgat ttgtgtattt
47821 ggggtaaagt cttacaacaa actgggcccc ggtctggaat aaatgtggac aacttctagc
47881 acagcataaa agcattaaaa agtttattaa cacatcatgt cgggtgcaat gaaaatcaaa
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48061 tccagctaca atcagtgggt taaattaaga tgtaaatgtg ggtctaccag tgagaaacta
48121 agggcaaatgt ctccatctaa gacagagttg ccagataaaa tataagatga tgcccactta
48181 aatttgaatt tcatatgaat aacaggtaat tttttcttat aagtaaaaat ttcaagctta
48241 accgggcttc ccacattatt gttttttttt aattttgttt tgagatggag tctcactctg
48301 tgcgccaggc tggagtgcag tgacacgac tcgactcact ggcttcccac atttttattt
48361 gttaagtatg gcaactataa tctaaaggac aaaatttgct tccaaacact gcccctgaat
48421 aagatccaaa gtacatatga tagccaatta atttggaata tacctcaata caatttcaaa
48481 tctcacagag gcaggggttc tcaacattgg cactattgat tttggggcag ttaattcttt
48541 gttgtgaggg gctctcgtac attgttcaat gcttaacagc accctcgcct tctaccacca
48601 gatgccagta gcataccctg gttgtgacaa ccaaaaatgt ctagacattg tcagatgtct
48661 ggtggggagg gggtcacaaa atcatccctg ggtgaggacc cctgttctga ggggaagaagc
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48781 tgaagaaaga agaggaaaagc catattttat gtagecttta ttttaaaata tcatgggaga
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48961 gaaagtactc atgacacggc tcagggtccc aatatagact tcatccaagg cttgaaaga
49021 acagttagta cagagtctgc tgatttctgg aaaaggagtg ttttatttgg atagcaataa
49081 ctgaaattcc aacctagacc acctagetga ataattatat gtgtgtgtcc aaaaaacaaa
49141 ttgccaagag atgcattgag aatcagaata ggaaaactgt ttactgtttg atttttcaga
49201 aaataattca acagggaatt ttgctaaagt gttgttcctt ctattttacc caagaaaaca
49261 tatgaattta ttttgcgtgc taaaccaaga aactaatgtg gttatacata ttatggggaa
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49441 tcaaattctt tgtgattgcc agattggagt gaaaaatcaa atctacttcc aatgaagaaa
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49561 tctgccttta ttaattgaca tctacaattt tgtatttttc tcaggataat gcaaaaaaaaa
49621 ttcttttgaa tcattctcac taaatttagg ggccaagtgt cctagctata ttgtttttta
49681 aaaaaagtta tgttaaagca gccagacttg gtggctcaag cctgtaatcc cagcactttg
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49921 gcaatgaacc atgattggac cactgcactg acaaagcaac tcagttctga tctacagttc
49981 attcttggat aaacataata cacaacacct agaaatacag caaaaaccca ttacccttaa
50041 gacaaagtcc agaatcctta ctgcagtcta caaggctcta aattatctga ttggagcaga

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FIGURE 3 (continued)

50101	ctacactttc	cccaactcca	agttatatgc	taagctgctc	taagttagag	atcaaaaaaa
50161	tagagtggct	caaatgagat	caaagttgat	aattctctca	cctaccaggg	tagaagtatg
50221	cagtggtcag	tggttcagag	tttgtggaaa	gtttgatcca	tgaagccatc	taaataaggt
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50521	tcacccactg	gaggaaaagg	aggaagcaga	actgggaaga	tggaaaagtt	aagctgcagt
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50701	aatgagatga	cttttcttag	ctgaggcaat	tctcaaaggg	agctgtcagc	cagtagcctt
50761	gcagttggac	agatggcagc	acagcagagc	atctgggaca	ggatgtgacc	tggaaatagc
50821	attgatattg	tttggctgtg	tccccacccc	aatctcatct	tgaattccca	tgtgttgtgg
50881	gagaaatcca	gtgggaggtg	attgaatcat	gggggaaggt	ctttcccatg	ctattcttgt
50941	gatagtgaat	aagttctcat	agacctgaca	gttttaaaag	ggggaatttc	cctgcacact
51001	ttctctcttt	gcctgtctgc	atccatgtaa	gacgtgactt	gcttctcctt	gcctctctgc
51061	aagatttgtga	ggcttcccc	gccacgtgga	actgcaagtc	cattaaacgt	ctttcttttg
51121	taaattaccc	agttcccatg	atgtctttat	cagcagcatg	agaacagact	aatacaaggg
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51241	acggaggctg	ggaaatacag	tctctagcta	ggaggcccta	tgcttagcta	gcactaaaag
51301	gaagaaggga	gaagggatac	tggggagcaa	tcacaagagg	gaaggaaaat	cattctttga
51361	tttgttcagc	ttattgactg	ttgtagatca	aaaaccactt	cattgaggaa	agcaaccac
51421	caaacacaga	agcagaaaga	gagctaaaaa	tgggataaga	acaactgaga	aactgcttat
51481	ccagtaatat	attttaata	gtgaggacta	caccaaactt	aggtaggctt	cagaatgagc
51541	caggggacaac	tccccagaac	tctgcaggaa	ggggctcctg	aggacacacg	tccaacctgc
51601	acctgaaacc	ccaagtcaca	aggacaactg	atatttagat	gcttttcttc	ctaagacctg
51661	ctacatatca	gaaaaagtca	cttaaggtaa	aagataaaat	atgctgagaa	acgattctgt
51721	ttcttaaaaa	aaaagaaaaa	aaagaaagaa	agaaacccaa	acagtaattg	tattgaccca
51781	agaaagcact	attaaaatgt	atcactttct	gttagtgttg	cttggaattt	caacataata
51841	atgttctgtt	taaaagaagg	agaccaaagt	atgcttatta	cctgaatgac	agaatattct
51901	gtgcaccaaa	cccccatgac	atgcaatttc	cttttatata	acaaacctcc	atgtgtaccc
51961	ctgaacctaa	aataaaaaat	aataaataaa	taaaatttaa	aagtataaat	aaaaataaag
52021	gaaggagacc	aagaaatact	taagggccca	ctccccctct	ttctgaacaa	aatagccaga
52081	ccagcctctg	ccactgattg	aaccagggat	tggaaactaa	cataaagcag	ccaccacctc
52141	taggatgagc	ataagattat	cagtagcctg	tgaggaaact	tggtaataaa	actctgactg
52201	gtagtacac	tgtatgaggt	agtgtgggca	tctaaccaac	caatgtgggt	gtcctcttgt
52261	ggacaggaga	gggtatgtgg	tgtgtacaac	aggaaaaaca	cattaaaact	ctagaaaccc
52321	aaacagaggg	agtaggaggg	gccataaaat	gtctgacttc	tcaaatggct	gatgagctcc
52381	tagagggtgtc	cttgggtctc	tccccagagg	caaatttcaa	ctagagggtg	aagctaagaa
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52621	aagtatgctg	gaactaagat	ccagattcac	aactcaggaa	atttcactct	acttaagtag
52681	tggcattcta	tcttcagatt	aaagtgtgtt	tgaataatct	tacccctact	gactggggct
52741	gtcacacgag	gtccccactg	gccccgtctt	gggactctcc	tgacacgac	ttgactctgc
52801	tagacatcct	ctctcctctc	ccctgtgccc	tcacccccat	catctcccag	aaactcagtg
52861	ctggaacaca	tgagacttct	cagctgcata	tcggcaaggc	caagggatcc	tcaaaacaag
52921	gcaagtttct	gccctctccc	gccatcaaaa	gtgtgttaatt	tctttgtttt	gttttttgtt
52981	ttttgttttg	ttttgttttg	ttttttgaca	cagagtctcg	ctctgtcacc	caggctggag
53041	tgcaatggcg	caatcttggc	tcaactgcaac	ctctgcctcc	tgttttcaag	tgattctcct
53101	gcctcagcct	cccaagtagc	tgggattaca	ggtgcccacc	actacgctg	cctaattttt
53161	ctatttttag	tagaaacagg	tttcaccatg	ttggtcaggc	tgggtctgaa	ctccccacct

FIGURE 3 (continued)

53221	caggtgatct	gctacacctca	gcttcccaaa	gtgtctgggat	tacaggcatg	agccaccatg
53281	cctggccaaa	tgtgtgtaat	ttcttaaacc	caaaggggtc	tagccaggat	cctgcattgt
53341	catattttta	gaataaagtg	atatctccat	gaagggcccc	actttgagtc	ctattttatgt
53401	ttgctcttgg	gatttagctg	tagctgggca	tgtgtgatag	tggttaggtg	acagcctgcc
53461	cagggatat	ttgcaccctg	gccatgtagc	atggggttga	gaaagcaggc	tccagtatcc
53521	cacaggtctg	ggtttaaacc	ccagctctac	catttattag	gtttgtggcc	ctggaagagt
53581	ctgtatcccc	tctaagactt	catctcctcg	tttgtaaaat	agagatataa	taatactttc
53641	acaaggctat	tgtgagaatt	aaatgatgta	taattcggtc	ttggcatagg	gcttaaaacg
53701	tagtaagcac	tgataaatga	cagttcta	agtagatacc	ccataactaa	gcgtctttga
53761	aggaagttta	ccataaggta	agaagaaa	caacttgatc	cagtaacaaa	accccagaag
53821	gagagattcc	agacatagct	tggagcccag	ctcttggtta	tgtctccttg	cccagcttgc
53881	ctgttattca	tactgagtc	ccatgtagag	gtgggattgt	aagtaaattg	tgaaaagaat
53941	ggtttcagta	aaaactcctt	aaggctttgg	gatacagcac	agtgttgtct	tgataccacc
54001	accaccactt	cctacaatac	atatgtccca	cctaaccagg	aaagagataa	cgctccaaac
54061	tttgctttta	atgctgccca	gctttggaat	ctcacagtgt	ccaaagcatc	agaggatact
54121	caatggatgt	aacgggtggc	tccaacagat	atgacctagg	tcttcaggtg	atgtgccaat
54181	ggtatgtagt	agacacagct	ctggttccca	acagaggtac	tgatagttcc	agcagtcatg
54241	acagtggctc	ctcgcagatg	tggtgggagc	cttggaaaca	gcagaataat	gttctgtgga
54301	tacagcagga	cccttggaag	catcaacatt	ctcagactga	ttgagatggt	agggagttca
54361	gatattctct	aggctcagca	aaagtggtag	tgcagcccaa	ggatgtggtg	ttagccagta
54421	gttgggggaa	gagagggaga	aagtgtctga	taccatggag	tagctgcagg	tattttattta
54481	tgaccatgtg	tgggttatag	cccaaggtag	agacatttgg	ggtatgagga	atgtgaagaa
54541	gagactttga	attggacaag	agtgaggaaa	atagccaagg	aactatggag	tatactttcta
54601	ttacctgggg	tcaccataag	cataaaacta	agagcttcat	ttacagccct	gtattttcaat
54661	gagaaagtgg	aaagagcacc	ggaccagcag	tctggagaac	caggtgttaa	tccaagtctg
54721	tcaacttaatt	tcttcaaacc	ttattgtgta	tagaaaggag	gaaaaagagt	agcactcaat
54781	aactgacgtc	ttttctttga	taattttatt	tcactactac	cagattcaga	taaagccaaa
54841	gtcttgctaa	cactccttgc	cagttgaaat	gtggtgactc	tcaaaaactt	ggaaatgtca
54901	ccattctggg	aagaaatctt	ttaatggaaa	ctttacatct	tctaaaataa	ttaacattca
54961	gtactcaacc	ttagaacatt	ttccaaat	agatgagaag	agatgaagca	aggaaaaaag
55021	gtgtaaccct	atcatacttt	tccttttggc	gttgaaataa	atatccagtt	aggggatggg
55081	gaaagtthttg	gtttctttag	tactgagttg	gtggcagcaa	gagctaagta	ggggctgagc
55141	atctcaggta	tgggcttccc	ttagatgatc	cagctatcag	gttctgccaa	ggtgagtagt
55201	cccttgtggg	ctgtgcaagg	cctagtcatg	gtgggagacc	ctctataaag	gctacaagt
55261	acttagggag	gtaagaggac	acccctcaa	gggctgaagc	ctgtctcacc	tttgagggca
55321	gtgagatcac	cagtatccct	gtgagctgta	taacaggaag	gataagtcca	tgttctgggtg
55381	ccgatecccta	tgccttttgg	aacattttct	cctctgataa	gaaacctcct	tataatactt
55441	tgtttcaactg	gaacaacatc	atcctcatca	ttagtaaaat	gattgtggtg	tgtcaacatt
55501	cacggagaag	gtccctgggg	aaggtcagct	gttgcaaggga	agactggcat	gctggctccc
55561	aaggcaagtg	ttcctttcca	tgatgaaggc	accagggacc	agggtcaggc	cttcagttct
55621	agagatgcag	aaactcttgt	cagtgcctga	aagaagctga	agaataataa	gcagactgcc
55681	aatgtttgtca	ttaaaaggca	aggtatcttt	tacgaagtg	gcattagcat	cagcctggca
55741	agtacattct	tagacaaact	gcacggaagc	caatttaaca	gaaagttgct	tggcaagcaa
55801	caagggtgat	gtttaatggg	gtcagcctat	aattacatga	tgcatecatt	tccaccatgt
55861	gtttctgtct	gcctcttggg	ccagaagggc	tgtctttggg	gccaggaaga	cccttccttg
55921	gacagtattc	acgcattctac	tgccagactt	tgctcactg	actcttcttg	tgtcacacat
55981	tcccaaacct	caatgactca	ccaattccct	ttctgattga	catggtcttg	ccttaaacgt
56041	gttatgtctc	ttaatcaaga	cagattaaag	tgaagttctt	ttttcttggg	agatgtgact
56101	gcctagctgtt	ttgaccgatt	atatgtgtct	agctggccaa	gggctatgtc	ccttcgatgc
56161	ctaattcttg	gggtcacccc	attgttgctt	tcctcccata	taacacctac	actgtagtgt
56221	tgaaatgtca	tcattgtttta	ttttatttca	ttttattttt	ctgtgttctt	tttctgtgtt
56281	ccactgattt	ttttgagttg	gattgggtctg	cgaaatggta	ttatttttag	cacaaaatg

FIGURE 3 (continued)

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56341 atccagtgag acaaaatctt gtaacaaatt caactgtttc actgtatgaa agcagggcag
56401 gttctttact gatgacaatt tctgtttgag aaaccaaact gagttcttca taaatgatga
56461 acaaataata tacacatatt attgtattta ggattatagt attgctagcc ctaaaaaatg
56521 atcaatgaag tattggcaat gtgaggtgat aatTTTTTgt ttctcctttt cataatagat
56581 tttgcctgtc ctgttagtga tttgactgc cgcagctac caaaaacctc aagcatagac
56641 aaactgctta aaattccaac gtttgatgaa ctgattcaaa acggatagat taaccatac
56701 cacactccct gtgctgacac taatgaaaaa acaaaacagc aaaagagttt ccacttccca
56761 gatgtcaatc ttctatttgc tttaatcatt ttatatttat ttattgatcc attcaattat
56821 gttggtttat tctacttaa gttgttccaa agcatttaag acagatgata agaacacaag
56881 ataaaaatca ggatcaagaa aaataaaaaa aatgttaga tgacaaagat gggaggagga
56941 attagaatta caaagatgtg tagaatgcta gttcctacat aattattaaa atggaggcca
57001 atgttcaagc tgggcttcct ggtggcaaaa gcatacatga aattataata ggtacaaaat
57061 aataccgtaa agaaaacctc cccaaataaa gaaagctttt tcttggcact cgaatctgaa
57121 agaaattttt tatntagata agaaaatctc agtgatatgg ataacacaat accacaatac
57181 aatctaacaa catgcaaccc aacaaaatgt gtgtttttt aaggaatttt gttctttgct
57241 caatttcttc catctactaa tttttaaata atgcactctc tgtctgttca tttgaggtta
57301 accaaatat tttaatattt aataaaatct aagtttaaat ctttttacct gcttctgaaa
57361 aatacaaggg gattataaga ctaatacaat tgcttccat gccactttat ttgttgtttt
57421 agttgagtg gttagttota ttttgctttt taattctaca aattaaacac tattattatt
57481 gtcataacca ttgttttata tggccagtgt tgaagtgtat ttatttataa atgtctttgc
57541 tcaccatttc ttcttgaatt tcagactttc aatttggatt cattttctgt gagcctcaag
57601 tatatccttc gaaattttct tttgtgagga tctatactca gttttgtttg tcttaaatgt
57661 cttttatttt actcttattc ttaaacgact tttttactaa tctgtgggatt tgggattgat
57721 cttttttttt ctttgacacg ttgaaaatga tattctggct tccattaatg ctgttgga
57781 cactgctgta cctctaattt ttattccttt gtggtgattt gttatctttg gctactttta
57841 agatagatcc tctctttgac cttgttgttc tgaacttcca ctctaagtgt ccaaggaatt
57901 attttatttg tatttatctg cttgtgattt ggcttatcat ctttcagcaa ttctgaaaaa
57961 ctctcagcca tttttccttg gaatattgtc tcttttccat tctttctact gtgtttttcc
58021 agagctccaa ttaggtgtat ggacttttcc aaaaactctt tcttttctc ttattatatt
58081 ttgaaatctc atttctctgt actatatttt atatgatttc tttagattta tcttatactt
58141 cactagttat ctctttgtgt ccagtctgct gtttaattca tacattgatt ttaatttaaa
58201 ttatatttcc atttacagaa gttccagttc aaatatactt tttttttttt tttttttttt
58261 gagacagagt tttgctcttg tcaccaggc tggagtgcac tggcatgatc tcggctcact
58321 gcaacctctg cctcctgggt tcaattgatt ctctgcctc agcctcccta gtagctgaga
58381 ttagaggcac ctgccaccac acccggtcaa tttttgtact tttagtagag atgggggttc
58441 accatgttgg ccaggtgtt ctcaaactcc tgactttagg tgatctgcc accctggcct
58501 tccaaagtgc taggattaca ggtgtgagcc accgtgccc gcccaaatat acttattttt
58561 taaacatttt ttatttcttg tcattatttt caaatgtctg ttttatttct taaagcatat
58621 taagtatatt tattgtatag tttactctg atatttctag tatctgcaag tctgtgaaag
58681 tgtgatgttg ttgtctgcta tttcctctgg ctcttacttg gtgtgccttt tgcttagtat
58741 actttgtctt tgtgtgttgg gaggggagtt catgttcttt agaatgttat ctgcaggatt
58801 ttttgagaac tggttaaagt tgggtgcct cagaaaggat tttcttttac ttcgattgcc
58861 tgggaggact accagttctc tctgtgattg tttttttttt ttttcttgt catgctttcc
58921 acttccactg catttctcac tggtcaact atagtagcat gaatttggaa ctacaaaacc
58981 acaagaagca acatcaacta tgaagtatca ttgataaaaa tatttaactt gaatctaate
59041 atgagaaata attgaccaa tcaagactat aggacagaat ctaggacatt ctatagagcc
59101 tggattcttc aaaaaagtca tacacacaca cacatgtacg tacaccttaa tttataagat
59161 agaaactaca agaaactaca gagatgaaca gcccaatgca aggcattgcc ttcatgtatt
59221 tctggatttt tttaagtcac aaaagatatt tgggagtcac ttaagaaaat taaagtcaa
59281 actgtatatt aaatggcatt atggaattat cttactttt cttagggtgag ataaggatat
59341 tgtaattata caagagatgt cttcatcta ggagatggct gctgaagtat tgaagggtaa
59401 agtgctctgt gcttataact ggctttcaaa cagacaaaca aaaaaagctg gtccaaaatg

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FIGURE 3 (continued)

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59461 gcagtggcaa tggatgtgga taccccaaga agtaccaaca gcagtgcctt gaagtaaaaa
59521 agtgaaatgc agtagctagc cctctgggct tgggatgttg tggtaataa ctgtgccatc
59581 tgcaggaatc acagcatgga tctgcattga atgtcaagct aaccaagagt ctgccacttc
59641 agaagtgtgt accgttgcac ggggagcctg taaccgtgct tttcacttca ctgtctctct
59701 cactggctca aaacacaaca gctgtgcctg ttggacaaca gacaatagga attcccaag
59761 tatggacacc agaaaaagaa ttcttccatc aagcttaact gttttgtgat tcatttaatg
59821 acttggcctt ctgtcactta attataaatt agatagaact gtgtcttttc tgccttgtct
59881 ttgccatttg ctgttctcgc agccacattg tattctgtgt caaataaagt ccagttggat
59941 tctagagcga atgctgtctc ctgtgtatgt gaacaaaagt gaacgtaat gaagggctcc
60001 ctcttccaag gctgaaaagc caccttttaa aagtgaatg tgccgggcgc agtggctcac
60061 gctgtgaatc ccagcacttt gggagccgag acaggtggat cacgaggtca ggagatcgag
60121 accatcctgg ctaagacggt gaaaccccgt ctctgctaaa aatacaaaaa aaattagcca
60181 ggctgtgtgg caggagcctg taatcccaac tactcgggag gctgaggcag gagaatggca
60241 tgaaccggg aggcgaaggt tgcagtgagc caagatcgca tcaactgcact ccagcctggg
60301 tgacagagcg agactccatc tcaaaaaaca aaaaaacaac aaacaaacaa aaaaagaaag
60361 tgaaatgtgt gtccattaga gccagaacag gattgtcctg tgagtgcacg gcttagtcag
60421 aggactccaa ctgtacaagg gggaatgttg atcgtgacc ctgaaaacag cagtcagccc
60481 tgtcttccct tgggtgtgata gcagcagcca gctgaatgag gaaagaacgt gggattcaga
60541 gtcacacac ccagctctga gtccctgggt ctactgctgg ctactgatgg caatctcggg
60601 cacgttgcct gtctaccctg agcttttctc ctctataatg caggcttcta aggactacat
60661 ggcattacat ggggcacaga aagaggcttt ataaaatgca aaaccactat agaaatgtaa
60721 acattgcatg catatgacat gttgctttct cttcttagct tagaaaaata aattttaaaa
60781 aattgtaata tgtaatcttg gctggcaaat gtatgaactc aattttaaaa ctgatgtcac
60841 ctaaaattga attaacacaa gagttcaagt ttcttttact accactacct catcacaact
60901 tgttaaaatg ttttgggcca cagaaggaat tgccaattct agtactaatt tggtagctat
60961 agagaatctt caaccgagaa acagttttgt tgcagtgggt ctcgaaatat ggtctgagga
61021 ttcctggggg tacctgagac catttcaggg ggttcacgaa gttctccctc caactgcaag
61081 tccatgtgaa actagttttt ctccatatac ttttaaccaa gcagtgcacg aaatgaagaa
61141 gcagacttga gaatccaact gtcttccatt gtcagacata aaagagattt gcaaaaagg
61201 aaaacaatgc tagtcttate actaaatttt ttcattttga aaaatagttg attttaataa
61261 aagtatgtta ataaagttaa aaacattatc tatacacaga cacatacaca catatgtata
61321 ggcataatga ataaagttag gactctaaga gcactgttca tagtactttg cttcttagag
61381 acaggggtct tgctatccag gctggagtgt cgtggtacag tcttagctca ctatagcctc
61441 aaactcccag actcaaggga tctttgcacg tcagcctcta catgogccac tacatccagc
61501 ttagattttt gtattttttg tagacacggg gtctgtgttt tgtatatatt tagagacgg
61561 ggtctgtgtt gccctgactg gtcttgaacg cctggcctca aagaatactc ttccttcggc
61621 ctctaaagt acaaggatta caggcaggag cagctgcact tggcctcatt gtacttttca
61681 ttcaactttt ttgtaggctc aaaattttcc caaattttta aattttgttg gaaagtgtaa
61741 aaacaaacca gaaaatcaca tgaattcccc tagagggtgt ctctctact ccacagccaa
61801 aatcgggaga ggcaaatttc ttgttctctc cttttgggag gagggtttat gtctaagcta
61861 cctacactg aggggtgogac tctgtatgtc tcagttttct atgaaagggt tctactggg
61921 cttttcacc taggatgtct ttttcttaat ctcttcaacc cattatgctg atacaacaga
61981 agtttaagg cccaggtttt atcaggcact ttcagggtta aatctagctt tggcactcgc
62041 tttccctctc aggactcagg ctttcatttt atatttggtc tctatacgtt tcttgctttc
62101 ttgccagctc aataattcat ttaattttta aattttctac ccaagttttt agttattttc
62161 actgggagga tcatcaggg tatgtcatca cattacacta ctagaaacaa tgcaacagca
62221 ttttaaatgg aagttaaatt gcaatcaact ttcttccaat tcttgagag attcaaacag
62281 tggttacagc cacaagcaag agattcaaat agtgggtaca accacaagca agttttgaaa
62341 aaaaaattct ttaccataat actgtaaaaa agcttgtggc cctaaggcat aaatccagca
62401 tgttcacett tcaattacac agttgaaaa atagttgtct caacacaaaa aggtgctcta
62461 tcaaaccaat ctttctccct aatttgtgca gctcatttat tcaaattatt gtgaattcag
62521 aattctacat tctgtacaaa aaaaagtatg aagataggcc agatcatgag aaaacacctt

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FIGURE 3 (continued)

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62581 ctcaaaagtc ataaatacgt tcataacaat gtggaaatag cctgttgac aagtgcagta
62641 catctctttt ttcattgcttt ttaatttgca aggacatttt tatataagaa gcagggtttct
62701 aaagccaatg tcattcatgg tttccttttt agtgtagtgg gcttgggatc ctctgggatta
62761 gactactgcc tgaggatggt ccaactccct ttactcaagc ctccccctaa gatttaggat
62821 agacctttcc cctggataac tgagtaggtt atcatcaatt tccttagttg caagaacacc
62881 agcctcaatt atttattaaa gaaaaataaa gaaaaaggta aacagacatg attctgcaaa
62941 aaacaaatct cagaattata acatcacatg aaaaccaggt ccttgattat catggaataa
63001 ttattcccga gtgtccatta cagggttgtag atgctggata tttttatcct gagaccttgt
63061 ttggcctgaa ccagcccttg aactctatct gtctcatctc tacattggac aatataccta
63121 gctgtacctg catatacaca tgtgagatat atcgtatctc tatataaagt aacacacact
63181 ccaçctgagt ttggagctca gtatttgcct tgttacaaaa gcagctgaaa tcactcattc
63241 tacttgtagt cagggcaatt aaaatttact ctaagtccct ctgtattttc ctccatttta
63301 caagagggtt aggtgcccct tccctaacag agtatgctct acttggtcaa agattgtcaa
63361 caataacctt cagtttcccc gtttccctct atttaagctt tgggtgataa tagattaaca
63421 aactcaatta caaatggaaa catctgaact ccaactgtct aatttattta gtgtgtgtgt
63481 aacagaatat ccaagactgg gtagtttatt ttaaaagaaa gagagagagg tctatttggc
63541 ttatgattgt ggtggctgaa aagttcaagt ttgggcatcc acacacatgt ggtgatggcc
63601 tgaagctgct tcaactcttg gtggaaagca aaaggggagc tgggtgtgtc aaagagatca
63661 catggtggga ggggaagcaa gagagaaacc aaggagccag gctctttctc acaaccatc
63721 ccattctaatt ccatcccacg agagtaagaa ctgctcacc tttgtggaag ggcattaatc
63781 tattcctgag gaatccatcc ccaggattca cacacctctc actagggcc acctccccac
63841 accaccgcaa aggggatcaa atttcaacat gagtttgggt gggacaaacc atctccaaac
63901 catagcacc acaaaaataa agataataat aaggaaacca ccatgtgcca ggcactgggt
63961 taagtgttta tattcatcct ccaactaaga acagtactat tggcttttcc actcacctga
64021 aaacaggtcc cattagcatc ttcattctat gaatgaccac tctaaggaa acgaaccatta
64081 aatggcttcc caaggtcata tagtcatgga gccagtatta aaggctgttg cactcctaac
64141 caggacacta ccccttcttg tttttaccgg ccactctcag aaatgtttca agatcatgca
64201 tccctgggaat cagtttcagg tccctgaagt cagaagccca atgctgttca ttgagagcca
64261 tgatatgtta cgcaccaccc tagagctggg tcttaaccca taaggtagct atcgttccca
64321 tttcccagtg aggaaagtaa gacaccactc ctttattcat ccaagagcgt aaaggacttc
64381 cccaaggcca cacagctagt aagtggctgg gccaggtttc aaaccaggt gtggctccac
64441 cgtgctgct ctccagatca tacatagcat tatgattcct tcacgggaca gagctatatc
64501 atgatgtagc atgctggtga ccacaaccat tttggcaatg gcttttctaa aatacagaga
64561 aaaaaagcaa atactaaaaa actgagtttt tggcttcaca taatatgtga agaagggaat
64621 acgttaaatt aattacaaga aatgcattct catggctca attcacgtag tgtgccccag
64681 aagcaaagtt ttatgcattg attagacatt cactctccct aaggcagtgc aggcaagtag
64741 aaggacactg tgtctagggt cagaagacct cagttcgagt ccactttctg gcatttcctt
64801 gggaagggtt ttcaatctcc ctgaccttca gttttctaat ctgtgcagtg gaaattataa
64861 ctatagtacc tgctgaaaaa attgggtgct tataattata actatggcac tcatctgtcc
64921 cacctcattg ttgtaaagat tagatgagat caaatataag acaaagctcc ctatctgaat
64981 gagatattta aagttggtta ttattatgat gtgggtttct aggcagtaaa aacttaccat
65041 actcttccac agaaaaagaa aaagatgacg tgtggatata tgtttactta taataaacat
65101 gcatatatat gcatgcatga atatgagtac aaggacatat gtattagaac attgtggtgt
65161 gcaaaagaag atgagaaaaa ctagtcataa tctcgcagaa gaagccctga taaagtatgc
65221 tagggcaagt ctgcaggcct ctgattttag ctgcttaact attggataca cagacagtgt
65281 tgaaagattg tgttcaaggc actgcagccc tcagagaact agcccaaaag ccatgacc
65341 cacaagcaac tttagggagc tgcgtgggat gaagtacctg gcccactgg aaaggcacta
65401 gaaaatgagc tcttactttg cagggtggtg tcaggggaac atcaaggaaa gaagaaggaa
65461 tcatcaatgg ggcctggggc tcactcagga ggagctcttc ctgatagggt ctttaaagga
65521 atcagtgtct aaaaaccctg gatgtgatga gctcattcat ccttgaggga ccctttgtcg
65581 cctctcacct gtccttctga ggtcctccac gcgttccctc tctctgttct tattccaaat
65641 tcctctacta catttactca cctggattt ctgggtaaac tttattagat ttgttacatc

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FIGURE 3 (continued)

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65701 tatttttctt tcccattagt caatttttta atgtggttagc caaaataatc aacatcacta
65761 gtaattatac ccatactcaa aaactcttct ggtgaagagg catggcagaa ctccacaggg
65821 aaatcctatt gtgaggatta tataggtcgg aaagtcattt ttaactgaca tgcattgataa
65881 agcacatgct acataccaat ggaatttaac gttcaaattg aataataaac tatgtttgca
65941 gtatacattt ctagatccat acatgaaatc acatttccat taaacagttt tcaagtcagt
66001 gaccaattcc ctctacttcc tcttgaaatt tatatgaacc tggatcattt taataccact
66061 ggaaagaaac actatactta gaaggagatg aacaacagat ttaatatatt ttcgtttgcg
66121 gtactaggag gcaagctggt aactctaatt cctgtgtgct ctcgactcct agatctgagt
66181 agtcaataag aaagtaggga agggactacc agcaagaaaa gaagcccact aatatttcct
66241 tctccttctt tctgtgtttt cttctgctta ataattgagt ctaattattaa tggacaagga
66301 ttgccagaaa aggcattgat tagaacagggt gtcagtaacc ttttctgtaa aggaccagag
66361 agtaaataac tgagcccttc gcaggccaca tgggctctgt tacaactact caactgtgcc
66421 attgtgccac aaaaatggac acagcattgc tgtattccaa taaaacttta attatgagcc
66481 ttgaaatttg aatttcacat gattttcaca tcacaaatat taaattccaa tcatttaaaa
66541 ctataaaaaa tattcttagc tcaatgatcc tataaaaaa agcagtgggc cagattcagc
66601 ctataggcta tagttgccag tccctgggtct aaaactttta atacattaag agtattcttc
66661 tcattaaaaa cagtgaattt gaagtcattt tctctcttcc tgcccattta cttttcccta
66721 agactttaat ttttttcccc acactctcat tcccattctg atttaccagg acattacttc
66781 tctctcttac ctacatatt tgttttattg cactataaac ctcactggag aataaaaacta
66841 tttgccaaaag acccacctgt aaacacccag cactgcagca gccactaaca aagagggaaga
66901 cacagaacct gtggccaatc atgtggacat tggcaataat ccattccctt ctccctcttt
66961 cttcctggta gagtccacct cttataatag tctgaagaaa acagattggt acttttccac
67021 cttcctggca aacaaagggg tatgtctgtg accaactcct ggacagtaag acctgaagag
67081 aagtctgttg ggggtcttct aggaaagggt tttctcactg gaaaaaagaa agctacaaga
67141 gcagaatccc caccctctcc ttgtttccta ctttttagat atatcatgta aagagacagt
67201 gtttagagct gcagcagcca ttttgcaacc atgagggaaa tccaggaatt ggtccacagg
67261 cataacatca ttaattcacc aaagcacctc cacagctctc tccccctgga cttcctgttg
67321 taggcaataa taaatcccca agatgggaat tttgttgcca tttattacac cgacagactt
67381 cattcttgca aagcttacat tgctagagga gtgatgtgac acataaaatg aaaaaccctg
67441 tacaaaaaaa cataaaatat caggcaggac acagcggctc acacctgtaa tcccagcagt
67501 ttggggaggcg gaggcagggt gactgctcga gccaggagt tcaagaccag cctaggcaat
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67621 catgtaatcc cagctacttg ggaggctgag atggatcact tgaggccagg aggttgaggc
67681 tgcagtgagc cgaggctctg ccactgcact ccagcctggg tgacagagtg agacctctgc
67741 tccaaaaaaa aaaaaaaaaa aaaaaggaag aaaaaaccta aaataccata actcctccct
67801 ccttggcagc tctattcgac ctaaatcaaa atacgttcat atctctccca cagagttact
67861 gctctatata tactttctgc tttacagaca aacttcttaa aagttaatct gtccttagca
67921 gggcacagta gtgcacacct gcaatcccag ctacacagga gactgaggca ggagtatctt
67981 ttgaaccocag gattttcaga ccagcctggg caacacagca agacatcccc accccacccc
68041 acctccgcca ctgtctctaa aaaccaccca acttatctac ccttaccatc tccacttctt
68101 attctgtcat cctcactcct caaatagcaa tactctgccc ttttttcacc cacattactc
68161 catcaaaactg ctttcaacag agtcaccagt gacttcccag ttgataaacc caagcacagt
68221 ttttagctct tatctggcct gacctctcca cacaggcaca aatagtcgat actatacact
68281 atacctcccc cgcaccatac tttttttttt tgggttgggt gttttgagac agagtcttga
68341 tatgtcgccc aggatggaat gcagtgggtg gatctcggct cactgcaacc tccacctccc
68401 gatttcaagc gattctcctg cctcagcctc ccaagtagct gggattacag acgcccacca
68461 ccatgcccag ctaatttttg tatttttaat agagatgggg tttcaccatg ttggccaggc
68521 tggctctcaaa ctctgacct caagtgatcc aacctctctg gcttcccaaa gtgctgggat
68581 tacaggcgtg agctaccatg ccgggcccac aaaaccatac tttccagatt tctttttgca
68641 tctttaagta tttattttct gcttctcctt ctactaggct ctttaacta gtgttcccca
68701 gtgttctctg acccccctcc ctgttttttt ttattttacc cactcttttt atatagtctc
68761 atctgtacct acagcttttag tgaactaatt agaagtaatt tgtaattagc agcactgatt

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FIGURE 3 (continued)

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68821 ttcctgttga aagttaacta ctaaaatccc tcgatgtgac agttctttta gttaggacaa
68881 acatgcccc aggaaatgaa gtaatactat tcatttgctt gcaaaccatt ttttccccat
68941 agatgaactt cagcccaaat aaaatcaaac tatccaaat tcccagctac ttgggaggct
69001 gaggcaggat ccaaattcat gtaattttcg tgtattttgc aagtttggtt tatgccatat
69061 taattcatta cactccacat catattttct tagcaaatac atctagacac ctggcactca
69121 gtaagggata ttcctggcac gataatcatt gttatcatta gacattgcag gaaccaccat
69181 atggatggat aaatgtgttg tttaatgaag gcaagcaatt actttaagag atoctagttg
69241 ttataaactc tctctggact tcaagtttg tatatacata attattaaat gtatacataa
69301 ttattaattg taacatgtcc tcacaattga tttctggcta tttttctaag gattttacac
69361 tttatttagt aaaatatatt aaagagggtta atgataattt ttttatagag acccttagat
69421 tgaaaatgac tgatttttca cactctttt ctgtctttac taatcgtcag tgcctaattg
69481 ctaaagcaaa atattcttcta aattctgggg aggaaattct actttgggcc aggcgcggtg
69541 gctcagcct gtaatcccag cactttggga ggccgaggcg ggctgatcgt gaggtcagga
69601 gattgagacc atcctggcta acatggtgaa acccgtctc tactaaaaat acaaaaaaaa
69661 aaaaaaaatt agccgggcat ggtggtgggc acctttagtc ccagctactc gggaggctga
69721 gataggagaa tggcgtgaac ccgggaggcg gaggttgtag taagccgaga tcgcgctgct
69781 gcactccagc ctgggcgaca gcgagactcc atctcaaaaa aaaataatag gaaattctac
69841 tttgaattgc aactaatca aaagactcca gcttcattta cagagacctt atctgtgcta
69901 agtagttttt ggaatagctt ttttctgtc acttaagcac ctctctttat tattaatagt
69961 aaactaaata ggagtcctaa gtctgccttt cccagtgtca gagtataaat gtcacacac
70021 ggtagaatgt aaacatcttt tttttttatt atttttattt ttttggacag ggtcttgctc
70081 cgtggcccag gctggaatgc agtggcatga tcatggcttt cactgcagtc tcaacctcct
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70261 gctggagtgc agtgggtgaa tctcggtcca ctgcaacctc cacctcccgg gttcaagcga
70321 ttctctgccc tcagcctcct gagtagctag gattacaggt gccaccacc atgcctggct
70381 aattgtttgt atttttagta gagacgggtt ttcacatgt tggccaggct ggtctcgaac
70441 tctgacctt gtgatccacc ggctcggccc tcccaaagtg ctgagattat aggtgtgagc
70501 tactgcgccc ggctgattt tttattttt atttttatag agatgaggtc tcaactggtt
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70621 tgagattata ggcattgagc tccatgcctg gcccttttat ccatctttta atgttaataa
70681 ttatatccat ttctgtttcc ttcaaaaatt caagtggaaa acctgacata aataatggta
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70801 caaatatcag tgcacagtat ggtgatttc cccacttgc gaagaatggt gctatagtca
70861 ccgcacagga gcaggataga tcccactct caaaattggg tttggatata aaaatcaata
70921 atgccatcac acatgcagca aaggggtttg aaaggtttat tgctcacata atactgtttt
70981 ttgggggaga gtaagatggg cttccaagct ggtctgaaaa ctagagagaa caagaaagga
71041 gaatggcttt gggattctta ttgtggttag gagtgggct gtggtgaggg ttctgtaca
71101 tgggctaggg cttactgttg gaactttgtg ctagtgccaa ggaaggagca cctaggcatt
71161 cttatcagtt tgctcagatg tggggcagag aggaagggaa gtggtggggc ttgagaactg
71221 tctgcagtea aacatcaaaa attaatgcat actctgtatt acaacaatta gaaaagaaat
71281 aaaatgtagt atatcagttc tctattgcta caatattgtt acataacaaa caacccccaa
71341 acctcaatgg tatacaaaaa taaatgtgtc ctgctcacac atctggagtc aactaaacag
71401 cctgctgat cttgctgaa ctcattctc tgcagcttg atcttgctg gctttgccag
71461 ggttgggcta taccctgtc tatgtctctc atctccagt aggccagcac aggtatgcta
71521 tcatggcaaa ggcaagggtg caggagtaaa ccagcccaat aacacaagca ctttttaagc
71581 ctctgcttgt ggcacttttg ccaaaatcct gttggccaag catgttacgt ggccaagcca
71641 tgagatgtgt acacagaaaa ataaaagatg tgtacacaga agagcaaaga attggggcca
71701 tttttgtaac ctactgcacc tattaatgga ttactaatat gtcacaactc ttatcctaga
71761 ttacagtatt aagagaagga aagtcaattc aatgatatat ttactactaa atgttaggta
71821 ctgtacttgg aattagagtt acaaaactaa atgagataat cctaaggagc tcacagttgg
71881 atactggaaa aaaaatcaaa caaattaata cattattaaa ataaatgaaa taaaatccaa

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FIGURE 3 (continued)

71941 tgtaagtaca tgaatagata ttttaataag aagtggcatg gaaatgaaaa taaactcttt
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 72061 tgtagacctg aggacataaa gtttactgag actccctagc gaatggctgc ataaaaatgc
 72121 aagccctcta aaagcaaaac cagattgtaa attctgttag gctaacagaa agtcatttga
 72181 ttcttttgtt tttccgttac acttagtagt caacccaaat ttattgtgtg cctatatgtg
 72241 tgtattagtc agagtctctt agagggacag aactaacagg atagatagga aggggagttt
 72301 attaaggagt attgacgcac gatcacaaga tgaagtccca caataggccg tctgcaagct
 72361 gaggagcaag gaagccagac tgagtcccaa cacctcaagt agggaaagctg acagtgcac
 72421 ctttagtctg tggctgaagg cccaacagcc cctggcaaat cactaatgta ggtccaagag
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 72541 aagatcaagg ccagaagacg cagcaagtct gctcttccgt cttctcctgc ctgctttatt
 72601 ctagccatgc tggcagctga ttagatggtg cctaccaga ttgaggggtg gtcgccttt
 72661 cccagtcac tgactcaggt gttaatctcc tttggcagca cctcacaga cacacacagg
 72721 agccatactt tacatccttc aatccagtc aagttgacct caacattaac catcatgatg
 72781 tgcaagctat tttgctggga atttgcctag atcgaaaatt cctagttttt ttgttgtttg
 72841 tttgttttgg ttttgaatct ttaatgagaa aaaatactat tgtgctcaag aacaccgtgc
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 72961 aacatcaaca aaaatacaca cggtcataaa aagaaaaact ggcacctggc atgatcaact
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 73081 cagactctgg gcactgcagg gtgcctcca acacatctac ctccagcagc acgtggtgca
 73141 ttgtcctcac catggagatt cctagcaaat actctaggta ttttaaatag aagaaattta
 73201 atacagggaa atgattacat atatagtaga agaactgaga tgtcaaacag aagagtggag
 73261 caatccacat tttagcaact gcagtaagt acctccaatg tcatggctgg aggggtgcaa
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 73501 agatctgaga ggaaacaggc agtgtctggt ggcacactac acaagaactc tcacaggcat
 73561 ccaactaggct tgcttgggtga ctcatttaag gagtaacct attttatgta tcagagttagt
 73621 ctatgggtgtg atatagcata ttgctgcttt tgatgttttg tttcatttgt tccctgtagg
 73681 cacctaata ctgtttttta aattccccag gagattctgg tatacccaat cagctgagaa
 73741 ccaactgaata gtggctttca aaatttttag catccaaata ttgtcttcac agaaaatctt
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 74041 gcattaaagg aacctggat agacctgtat tggaccttac atattagaga gctctgcaga
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 74461 gaggaataga ggtgggcaag caggcgcttt ggaaaccata ctgaaaacga attatccata
 74521 aagcacagat tcaccagct agaaatggct ctgtctggat ggattccttg agatgtgttt
 74581 tatctccatt aaaaacacaa caactttcaa actttcactg tgtctcaaaa tgatagagaa
 74641 aaaaattcag cctttcaagt attcaagaaa agcttgaaga aataaaagaa actcgtgct
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 74761 aacccaaggt gggcattcaa agccgatcca aaggatattc ttctttttag aaaacaaaag
 74821 gagcgcaagg agtaggggac tgaaggtgcc caaagctagt gggtcagtgt cactttcttc
 74881 ctccctttcg cccctttcct cccgtcctt tctccctgt ggtctctgct cagcaccctt
 74941 ttctctccag ccccgactgc ccatcttcgc cctaccctc gcggtcggtg gccgtgtcta
 75001 caccacccc aggacctggc ccgtccaggc tcttcccat cctcacacc gcgctttct

FIGURE 3 (continued)

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75061 ccctgcggcc cgggtctgct gctccagctg cccagctctt cccaggacag gggatcccgc
75121 caagggggcc gccccgcgcc cggccctccc cggccccggc gcaccataaa gcgccccggc
75181 gctgccgcgg agcccagcag ccagctcccc agcaccgcgc ggccgggacg cgagcgcgcc
75241 cccgacggca gcccggacgc cgagcacggg tcacctgcgg cgcgggcccg ggcggccgac
75301 gaggttcaac gcacggcccc gggaccccc aaggggggcca acgcccgcgt cgcccccggc
75361 ctgcggggga gcaggaagag ccaacatgct ggcgccgcgc ggagccgcgc tccctcctgt
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75481 ggttcgggtc gggcctggga gcgcggggca cggggtgccc catctgctga gtgagtggag
75541 ggacttgctc ggcctgtgct tcctgtggcc ttgctcagcc cctctctgtc cctccccggc
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75661 tatccaatga tgagaacaat tgcctaaata gttgggggat gcaaaattgt ttcagactat
75721 gcaaagatgt ggggtggggg tgccttcaaa acttgctaca cggtoctaga cctcttaaca
75781 tgttaggctc tgggtgtagg tgaattccgg gtccctgcacc ctgtgccggg tccctccagg
75841 cagccttgct ccctaaatcc ttccctcagg ggagcgatgt atgccagag tctgctcttg
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76081 caagatggat gcagctggag gccattttcc taagtggatt aaggcaggaa cagaaaagca
76141 aataccatgt tctcacaagc gggagctaag cagtggatag atatggacat aaagatggaa
76201 acagtagaca ctggggactc caaaagtagg ggggaagggt gggaaaacta ccaattgggt
76261 actacgttca ctgggtgatg tgttcactag aagctcaaat cccaccttat gcaatgcacc
76321 catgtaacaa acttgcacat gtaccctctg aatctataat ttaaaaagaa aaaagaaaga
76381 aattgatctt tttctatgaa acggtaaaaa ttcaacaaat aatgtgaaaa gatacttggg
76441 caatcctcaa accccttggt gaaatggggg gaaatagcca ttgggtagaa agcagttaaa
76501 cagaattttt tgtaaagacc aaaaggaaga catgatttaa gcaaagaaag atcttagggc
76561 tataactggc cctaactggt caggcgtagg cttcactctg ttgaacttgg tgcctgggtt
76621 gattttattac tgactgtgga agtaaaaactg gaagagacgc acaacttgaa gtaaaaagttg
76681 tttttccctc tgtagccaga gcaaagactg cctatgaggg cgttctcaac ttccctgctc
76741 ctgcctgctg gaatcaccca tttaaactgc atttcgccaa ataactcatt ttcattccag
76801 accagacaac cagaactgtg gtttcagggg ttagagtact gctaactttt agtttgtgtt
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77401 cactctctat gttcattact aactaatccc atctctgccg cttgagagag atgcaaatga
77461 atcagacgaa ccatagattg aaataccgca agtttagctt gagttacatc atgaacctga
77521 tcatagtcaa aggaagaatc aagagtacta agaattttgt tttgaatgta gttcccatac
77581 tttaaatata tatctctttt ctgaagatgt tttgtcctga atggaacttt aaaacatat
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77761 aggcactaag aggagcacag taaatgttct gctttccaac acatctcatg ttaatttcat
77821 tattgtgtaa ggacccctgg tacatgtgaa aaatacagta tagatccagt ttgaagacaa
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77941 aacttttatt cattcttatt acaaaagcaa tacctgcca ttgtagaaaa gattaaagtt
78001 agataagcaa aaaataaaat aaaaagaaaa gaggaaattt aaaacttata tttatgcaac
78061 ccggggatag cttctattaa cattaacatg ttgttgatt gtctttcatt tcaaatattt
78121 ttctatgcaa aaatatattt caaatggaat tacgttatac atatagtttt agaattcctt

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FIGURE 3 (continued)

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78181 tttcttaatg tatcatgaac atcttttcac atctgtaagt attcagctac attttaaaaa
78241 taggtagtat tctgcttttt ggaagaatca aaatgtatgt agccagggtt gtaatataga
78301 acccttaagt tgttttcggt tttgatattg taaatattaa tttattgaac aagtgcagggt
78361 gtcacaggat gggttgggat gagtttaacc atccctcaa tctcagccaa gcccttctct
78421 ttttttttgc taaggacagt taatgttttc atagcaaaat gctatgccaa cagagctcag
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78601 taggataaat tcccataagc agaattgcta gatcaaggag cacatatgtt ttagggcctt
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78781 attttccaat tcatggtgta aaacaatacg ttattgttta agtttagcaac tccctgcatca
78841 ttaggtaaat acatgaacat ttatttatat acttaatggt cattgttaatt ctttttatgt
78901 aaattgcctt ttcatttcc ttgccattt ttctattaag atgcttatca ttttattgat
78961 ttgtaagaac tctttatcaa ttgtcaatat taccatttta ataaccagat tattatatcc
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79081 cgtctgctaa tagatatact aaataacttc cactgagtat taccctaaatt tggcctttgc
79141 cttttaaatg actctgggca tactctctca tagctttcat aaatattaca aagtttgtga
79201 gagaaagtac tgcttgcttg atcaaaagca acttatacaa atacaaatgc agattctgat
79261 tttttagtag caattctatc agtcaagaga cagaaaccac atcattttgt tttgttttgt
79321 ttcacattg ggattttttt aaacagagaa atgttgagaa attgtaaagg cacaaggga
79381 acacttaggt ctcaaaaagg tggcaaatca ctttctacca gcacatctac caccatagcc
79441 atgttttctg ctgcatttcc tgtcatttgt cactgaccag gaaaacacaa ttggctctgg
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79741 gtccagccac tataaaagt acaggggaaga actggtgagt ttggcaatac ggaaaaggga
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79861 agaaacctg ttttcccaa aattgaatct ttcaattata ccccttcttc tcccttcttc
79921 ccagttcttg acctctccc atcttccagt cagaggctaa acccaggcgc tctgtgcca
79981 gtccctgacag acccgcctt gaatgatctc tatgtgattt ccacettcaa gctgcagact
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80221 aattatattc tcaactacta gtcatttcag tttttaatac tgaattcttc ttactgtaca
80281 tttacctata ttggcggggg ggtggggggc ggttcaggaa gaaagtgaca ttgggagaaa
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80401 tccagttctg gaacagagag gacaagggac aattcagcca ttatcttagg cagctcaggc
80461 tgctataaca aaataccata gactttgtgg cttaaacat agacatttac atctcacagt
80521 tctagacagt ggtaagtcta agatcatggt gccatctcag tccattttgt gttgtataa
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80641 caggctggaa gttcaagggc atggccctgg cttctgacaa ggactttctt gtgtcacaac
80701 gtggtggaga aggtcaaaga gggagcagac acatgggaag aggggaaaac ctgaggggca
80761 ccgtagcttt ataataacct actctctcaa gaactaatc attccttga gaactaatcc
80821 attttcaca gagctgaaac tcactgtctc gagaacagca ccaagccatt catgagagat
80881 ccaatcccat aattcatatg cctcccacaa ggcctacct cccaacaccg ccacattggg
80941 gaccaaattt cagcacgagt ttgacagggt acagacatac catatccaaa ccataccacc
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81121 tattcccatc atgagggcca caccctcagg acctcatcta aacctaatca tctcccaaaa
81181 gccccacctc caaataccat cacaactggag attaggagtt cagtatatga atttgatggg
81241 gcgggaggaa ggggacagat acaaacattc agcccatgac agccacccca tactattctt

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FIGURE 3 (continued)

81301	atgttccctt	tgaagccagt	gctcagtaga	cctagctcct	aactccctaa	gcacctacct
81361	ggcgtgatg	gaaagaatat	acctcaacca	gtagaacagg	atgaataggg	ctctttttctc
81421	cctgtgctg	ccaattttaca	caggcctgtc	actggtttga	tccctctgct	gtcattttgtt
81481	ttgttgccgt	agtgaagttac	tataagcact	gagaagtga	tcccaaagaa	aatgggtcact
81541	atcttttcatt	gcctttctcct	ccactccttc	cccgggggac	aacacctgtt	cctgttttatt
81601	aaggaatgtg	acagatgcgt	gttcctgctg	cttcatgcat	ttaataaaat	aggagggctg
81661	gttctttctg	ctgggtttta	tgttttatttc	agtttgcttt	acaaagtga	cacttctctag
81721	tgcttcaaac	tctctcttag	attatatattg	tgattgtaca	cttaaatctg	caggcatttag
81781	gaaatgaaag	aagttttctaa	ttcttaactt	tcataggact	ctaaagttaa	aagtataaat
81841	gaatgggact	ttaacccctt	cttttctgtc	agattccaac	atgcttcttg	cctgcttcca
81901	cgctactccc	aagtctgctt	tctctgtatg	tgccctcatag	cctgtcaggg	gccttgagga
81961	gggtgcagat	aataaagtga	gtctgaggac	atggccagca	gatgggtcaa	ccgttcctgt
82021	ccccctttcc	ccatcttcag	ccctaattag	gggggattct	gcccattgtct	ctgccttgaa
82081	tcaaacagcc	ccattttgcc	tagcatctgc	tgaaggaact	gctcatcttc	tgacaaccca
82141	gctactcagt	ttgtgatcgt	aaaaatcacc	gttcttcate	tgtggatcag	cagcttctcc
82201	taacctgtct	atttcagagg	cattgcaaag	atctttcttt	cggttcatcc	agcttaatgg
82261	ccagaagttc	ctctgcagag	taaaaaactg	ctccaagctt	ttgcctcac	tgccctctcag
82321	cctctatttc	taaattggcc	agtatgtgtg	agcccattgt	ggaaagtctg	ttgctgggaa
82381	acacaaggaa	gcaacttccc	ctgaacggat	cctttcagtt	tgtatagaca	agagtaaacac
82441	tggatttaat	gggcagtagg	tagagggtaa	ggggatcggt	agtatgtttc	ctctgaagaa
82501	tcaccagtaa	tatgagtcag	ctgtaaatac	cagttgatca	aatatttttag	gggctgtaat
82561	cccagcactt	tgggaggctg	aggcaggcag	atcacctgag	gtcaggagtt	cgagaacagc
82621	atggccaaca	tggagaaacc	ccatctctac	taaaaataca	aaaattagcc	aggcatggca
82681	gtatgtgcct	atagtcacag	ctactcggga	ggctgaggca	ggagaatcac	ttgaaccacag
82741	gaggcagagg	ttgcagtgag	ctgagattgt	gccgctgcac	tccacacttc	agcctgggtg
82801	acagagcgag	actctgtctc	aaaagaaaaa	aaaaattaga	ggaaaagatg	aaagggttga
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82921	ttcttagaaa	ctgtgggggg	agaaggagtc	ctggaagaat	ctagaaatga	gaattctcat
82981	aaggcaaaga	gggatttatg	ctgtttattag	agcttgaaga	gttgaagaat	gacacagaga
83041	agttgtttca	ctggagcagt	cggaaaaaat	acgaagattt	gccagcactg	gtgaatataa
83101	aagtttcagg	aaagagaagt	ccattctgcac	tggaaacaata	aaaagaagtc	actgggtcca
83161	tcagatccaa	ggaaaagaca	gagcctgtgg	ttgagactcc	ccactgcagt	gttcagtggg
83221	ggccatgctg	acttgacata	attctcccca	caacccctca	caaattatct	acctggacat
83281	ggtaggctcc	agacagcatt	catctggcca	aggttcagct	gatctcctct	tttgctgatt
83341	tgctggtgaa	acggtgaaac	agaagaaatc	caagtggatc	tctactgact	taaaacacct
83401	gagtaggaaa	taaaacacac	ccttccctcc	attaaagtcc	aggactggga	gatgaaggag
83461	ggtgactaca	cagcatcaaa	gagcagaatt	tgggtcatctg	ggcctcatat	gacctcttga
83521	aacaaattaa	aatgtagcta	atgaagactg	caaagaaaga	gtttgccact	gagctctctg
83581	cttctactct	caccctctcc	aagtcagcct	accccaggcc	acctcattac	tgttcacaaa
83641	cataatttgg	atcaagatac	atctgacctc	tgagacctct	agtggccccc	tttccaaatt
83701	gaataatgta	cccatgtctc	agcaaggcat	tgggggcttc	cactctgcat	ggccccaagc
83761	agcctttcca	gtttatccct	cattccagcc	tccatgcagc	ctgagcttca	ccaagatagg
83821	ctattgccat	tccttggggc	cgcacatgct	gcctctcctc	catecttttg	ttcctgctgt
83881	ctgctccctc	gacacatatc	ctgcatcacc	tcttgacacc	caaatectac	acattcaaga
83941	cccctctcca	gtctctcttg	atattctttc	taatatgact	ttgtacctct	taaggaagac
84001	attcatctta	gctcaccttg	tacttgaatt	acttctaggt	cttctctcca	tttgggtggg
84061	agctctcttg	agacagggac	tatacagccc	ttatctttgc	atctgctgca	gcacctagca
84121	aggtgccttg	tacatagaag	tagttcatgg	atagattgaa	aagaataaat	ggaggctgag
84181	aagagtagac	ttgtttgtga	aaaatgacat	acaccattgt	gaaattctgg	gattccacaa
84241	tatctgacac	atagtaggta	ataaaaaaaa	aattattttat	ttatttatga	gacagagtct
84301	tactctgtca	cccaggctgg	agtgcagtcg	ctagatatcg	gctcactgca	gcctctgcct
84361	cctaggttcg	actgactctc	ctgcctcagc	ctcccgagta	gctggaacta	catgtgcgca

FIGURE 3 (continued)

84421 ccactacgcc cagctaattt ttctattttt ttagtagaga tggggttttg ccatattggc
84481 caggctggtc tcgaactcct ggctcaagt gatectctg tctcgccctc ctaaattgct
84541 gggcttacag gtctgagcca ccacactcag ccaaaaaaag atttttttt ttaatgaata
84601 aatattgaag ggcttttggg ataggatgta agaggataca ggtagtattt ctggtagaag
84661 tgatctgccg ggttatgagt aatacagcct ttaaactctg atagaaataa gcatcctgca
84721 gaaaccacct ggctggatag aagatatggc tgatgctctt ctagtatctg gcgtaaagac
84781 aactttccag tttgtatcct gagtttgagt caaaaactgc atcaccatga atacatctct
84841 gaatctctct tagcccttgt tgattgccta taaaatgggg ataataatag ctacctcaca
84901 ggctgggtgc aagaactgaa ttatataagg tataataact ttcttcagac tatgaggctt
84961 aataaaattt tcatactctt aaacagtatt agagacagat ttccactatt taggcaactg
85021 ttttctaatag atgatgggtt ggtgaactct tggttgccct tgatgacaat ttcaccttct
85081 agaaaaagaa acacaagaac tgcttcttta gtcttagtat gattgtctca gaacaacttg
85141 gtgctgtgaa gtgaaggaaa cccaaagtgt ttgctgtaat gaccagagag tgtcagtga
85201 actccttagc ctaaggatag gacatgtcaa atagttcaga gtagtggttc tgtagcttgc
85261 aagctaaaga gaaatataga ttaagagaga tggtagagct taaaaataa aattatagac
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85561 tagagacagg gtttctccat gttggtcagg ctgatctcaa actcgcgacc tcagatgatc
85621 tgcttgcctt ggcttcccaa agtgctggga ttacagccgt gagcaaccat gcccgccct
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85861 taaaacctaa ttgagtcaaa gttggtgatt cacacataag ataataaaat ggatgttttt
85921 agccatgttc agaataagat atggaagata tgggaagaaat aagcctacct cctggaatag
85981 gtaatgggag attaacaggt gatagaggta agtcatagat ggctcttttg tttctgtctt
86041 acccatcaag gggagtgttc ttcaaattgt caagaacagt taaaagaaaa caaaaatcca
86101 agctagatga ggagatagca gaaaaacgcc cactctcttt agtgagatta actattcagg
86161 agcagatgaa ttacacattg ggatatttag tgaagaaagt catagtggag ccactgttag
86221 ttcattttag aatcatggag aacagaaagg tcttaaaga caggacaggc aaatgtttcc
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86521 tcagaaaaga attggatgaa gtcgcttatt atacctttct aaataatata aaaaagaacg
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87361 tatttgaaaa aagggttagg tgccgtggct catgcctgta atcccagcac tttgggagtc
87421 tgaggcagga gtatcaactg agccacaca ttcaagacca gtctgggtta aaaattaaga
87481 attttttttt tttttttttg agacagagtc tcacctgtt gccagggctg gagtgcattg

FIGURE 3 (continued)

87541	gcgcgtcctc	agctcactgc	aacttccacc	tcccaggttc	aagcgattct	cctgcctcag
87601	cctcctgagt	agctgggggt	acaggcaggc	gccaccacac	ccgcctaatt	ttttttgttg
87661	ttgtcgttat	ccttagtaga	gatgggggtt	caccatgttg	gccaggctgg	tctcaaactc
87721	ctgaccacgt	gatccaccca	cctcggcctc	ccaaagtgt	gggattacag	gcatgagcca
87781	ccgcacccag	ccaaaaatac	atTTTTTtaa	aaattagcct	ggctcgctgg	tacatgcctg
87841	tagttccagc	tactcaggag	gctgtggcag	gaggatcact	tgagcccagg	agtctgaggc
87901	agcagtgagc	cgtgatcatg	ccactgcact	ccagcctggg	caacagggca	agctcttggt
87961	tcaaaaaaat	aaaaataatt	aaaaataatt	tttaaataat	atttgaaaaa	tgtcatttgg
88021	aatgaagatc	agactaaatc	tctgtctagc	tctgaagagt	aaaattagga	tccattggta
88081	gaagacagag	gaaacagata	ttggctctgt	attaggaaaa	tcttgagag	tgatccaaaa
88141	gtgaaatgga	cttctctgca	aagtaatgag	ttccttggtt	ctggaaatgt	gctggtagag
88201	gctgcacttt	tattgaagga	atttgtgaag	tgagatatta	agctggatga	cttataatgc
88261	taatatTTTg	tcattgtacc	aaggctagag	aagtttcata	ggcacttaag	aaattgcttt
88321	gcacctcttt	cctgtaacat	gacctggggc	ttctgtgcac	actcactgct	ttgttgtcta
88381	ctagatagtt	gcatactatg	atgaatctca	tactttttca	aaacacaaag	tcctctgcag
88441	atgttttagca	taattgctgt	gtttcctttc	actagataga	tgtgtgtgtg	tgtgtgtgtg
88501	tgtgtgtgtg	tgttactctg	tatactttac	atttattcaa	attgccataa	gaaaactttg
88561	aaacagactg	catttatcac	agctaggagt	caccagagt	actttcagaa	aaagcaattt
88621	gctgattttac	cttttgtatg	tatttccaaa	gcactaaagt	tacaaagacc	tagtgtatag
88681	ggcatgaaga	tgaataagca	aaggcaaaac	agaatatcca	tcacaagaga	cattaatgtc
88741	aaggaggcaa	tttttaaattg	tacaattatt	taaaaagaag	aggaaagatt	gacaatgatg
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88861	gctccagact	acctttgtga	gtttgctgcc	tgaggccag	gccactctgg	actcctttgc
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88981	ttgacattca	acatatcata	atatttttga	ctaccaggtc	cacttttcaa	aaagcatctt
89041	ttgaaaattc	tttctgaaga	tagcaatatt	tcaaactctc	attgcctggg	cttgcttttt
89101	catctcctgc	cagtcactga	aatcgtattt	aatcagactg	ggctatgtgg	ttcctgtgtc
89161	cggtcgggtc	caagcatgga	aatgtagctc	ttggacagtg	ccataaaatc	aggcaatcct
89221	gagtagctgg	ggttacaggc	agggccacc	acggccacct	aatTTTTTTT	gttattgttg
89281	ttatccttag	tagagatggg	gtttcaccat	gttggccagg	ctgggtctca	actcctgacc
89341	aaattgtcaa	ttacacaaag	atgccaaagt	tagagggaaa	ggatttatat	aaccaacaaa
89401	gtgttccaca	ttttaaaaaa	gacataattg	tgagtaataa	aagtcagagt	ggacacactc
89461	tatttttatct	atTTTTTTTc	acttcccata	agtagttgta	gtgggtgcct	cagatactat
89521	gggatgtggg	aaaatcagta	agatatagac	ttggcagcat	gaagggactt	aaggtgtggg
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89701	tataagaagt	tcaatctctc	agtccaaaaa	gtccgtgcag	aaagagacct	aaagtaggaa
89761	ggggagtcag	gaatctaaca	gagcagccca	gaggtggagc	agagtcagag	acaccgtttg
89821	agatccgagc	accactgac	tgacagcctt	cagttccaat	ccaatctgca	ctgcattctg
89881	ggtactaacc	ctgcacaata	accagctgca	attgccaaga	aaacctgtgc	agctgggtgg
89941	gagtgaaaac	caaggatgtg	aactcaatgt	gctgcagctg	aagaaacaga	gttgtacctg
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90061	ggaattgcaa	tggagaaagg	gtaattcacg	tagagctggc	tgtgtgggag	accagagttt
90121	tattattact	caaatacgtc	tccccaaagc	ttcagggatc	agagttttta	aagataattt
90181	tgcaggtagg	ggcttgggaa	gtggggagtg	ctgattggtc	aggctggaaa	tgaaatcata
90241	gtgggtcaaa	gttaggtttt	cttaacgtct	tctgttctctg	ggtgtgatgg	cagaaatgat
90301	tggggccacat	tactggctctg	gggtgtgtca	gctgatacat	ccagtgcagg	gtctgcaaaa
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90421	ggggagcaat	ttgggggattg	ctcagactct	tggagccaga	ggctgcatga	cctctaaact
90481	gtaattttcta	atcctgtagc	taattttatta	gtcctgcaaa	ggcagactgg	tccccaggca
90541	agaagagggg	cttcggggaaa	gggctgttat	caattttgct	tcagagtcaa	agcatctact
90601	gaattccttc	ccaaagttag	ttcggcctgt	gcccggaat	gaacaaggaa	agcttaagtg

FIGURE 3 (continued)

90661	ttagaagcca	gatagagtcg	gttaggtctg	atttctctca	ctgtcataat	ttcctgagtt
90721	ataatttggc	aaagacagtt	tcatacccag	tgactgtttt	cctgagtgtc	ttccagggtg
90781	gtggccaggc	agaggtgtgg	tcgagtcggg	aggtgggatg	gttccagcct	caggggcctg
90841	gcttcttctt	ccttcctgga	gggacaaaat	ggtcactctc	ctcctgctgt	agtgttttcc
90901	cctgcgtttt	gttccttctg	ctatgtgtgg	atgtgttggg	ataagatagg	gcaagatgag
90961	caccgggaaa	gggggctggc	aagaggaagg	gaacctgtgc	tgttctcttc	cccttcccag
91021	tgatgctgcc	tctggagaag	gtgaggaaaa	ctcgaccca	acaggctgca	ggctcctggg
91081	gccagagctt	tctgcttttt	ccagactcca	tatgactgat	gtgaaaacgt	tgagtttcct
91141	gagcctgctt	gccctctggg	tagtctaact	gctctgataa	taaaataagt	gtagaggcac
91201	tgaagtaaa	aatttgcaat	aaaaaagaaa	atgaaaaatg	gaagccataa	gagaaatgag
91261	tattggatca	agtgtgaaga	atgggaaatg	tcaaggcact	tgataatttt	tctgctaaca
91321	aacagacatt	gtgaagggtg	aagtttccat	ggttttcctt	ccctgcgttt	tcttttgcta
91381	ttgtcatgag	atctaggggc	atgagggatt	tgtcatttga	gtgttacatt	gcaacaaaaa
91441	gcaaggcaga	agtacagaat	ccacttaaat	gagagtatga	acacaatagg	aggttttgct
91501	acctggaatt	agatgttgaa	ttgtctgctc	ctaaacttta	ttttctatat	aaaaagcttt
91561	aaatacaatc	atttaattat	tcattttaaag	tttatattaa	caacatttag	tgtgcacctg
91621	ctatatgtaa	agtatcccac	taggtactat	tcatcaaatt	aaagccagct	atttagttat
91681	gaaaataaac	catggccccc	ataccctgtg	aagccctgtt	aaaagcaggc	aacatgcccc
91741	agaaaatatg	tttcccttga	atttcacaga	aatcttagtt	tgaggaagaa	aaatcaagag
91801	tttttggtat	aagccactat	gtgtatgtct	tgaaacagtt	aatgtagaga	acagaggtag
91861	tggccataac	tgaaataagg	agatagttag	tgagtgtgtg	tgtgacctaa	ttcaagtttg
91921	gtggtccaag	tgggtatttt	cttggcctgt	aaaaactaca	ggtattttgca	aaactgttct
91981	aaatagtaat	gtaatagaag	ttttttaaaa	attgagttag	tgcatatggt	tggactcaat
92041	ttctccctct	tttgggtact	atatatgggt	ctaatttcca	gctgtgcagt	tactattgta
92101	aattctcaac	attaaaaaaa	ttttcagata	caaattat	ttattgatac	atacttttta
92161	catatttaag	gggtacatgt	gaattctcaa	caattaatat	taaaataaag	gagaagaatt
92221	ctgttctatc	ccagattaga	aataccttag	aatttctatt	tgtgtctatt	tccctccatt
92281	ccattatttt	cttccctctc	ataccacatt	tatatacgtc	ttaccattta	tttatattta
92341	tttaataact	tacttcagga	aacttagtat	tgttctggaa	tcagaaaagg	cttctagcta
92401	gtctgtcttg	ccaggtcttt	ccgattcttc	tcctcaaga	agcaagtggg	gggtgaccacg
92461	tcgacataag	agatttcccg	tctgactcct	cccaccatct	gtgtagggtc	cagaacctca
92521	cgccaactgg	ctctcttcag	actgtggtca	actggaaaat	cgagtcagat	ttcagaaggg
92581	tgggaaaatg	aacctagaaa	gtctaattgtg	gagaaaagcct	taaaatatat	ccttcatggt
92641	ccacaatagt	gattattatc	tttggcgata	ctgcaacata	aatagggtatt	cttggctagt
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92761	gatggtccaa	gttacttgcc	acagatcaca	cagattaaca	gcagcacagt	ctgggtgtat
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92881	aagttaaaac	aatgaagatg	agcaggaaga	aaaaaatacc	atccaaacac	ccagcaaata
92941	accatactaa	tgtagacata	ttttcttcta	atcttctagg	tatgtatgta	tacatatatg
93001	tacatatata	tacacatgca	cacttttttc	taaaccata	ttgacctata	acctcctttt
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93181	atatgttgtg	ccaagtgttg	attacaataa	gtatttctga	aatgaacatt	ctcaccata
93241	catcttggtg	ctgctttttt	ttttttttct	ataaccagg	acagtgtctga	agtgtctctt
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93361	catgtttaag	gttctgatgc	atgtgactaa	attacctcc	agaaaagtcc	tgctttaagt
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93541	ctgggattgt	ttccggtgaa	aattagccat	gcctggctaa	tttttgatt	tttagtagag
93601	acagggtttc	accttattgg	tcaggctggg	cttgaactcc	tgacctcgtg	atctgcccac
93661	ctcggcctcc	caaagtgtctg	ggtttgggaa	tggtaacctgt	ggatgcacct	agagggtgtg
93721	ttagacacta	gctgaaatca	ctttgggtctt	tctagcaaac	cttagccaat	gggctccact

FIGURE 3 (continued)

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93901	atagctaccc	acataggaaa	aacaaaacaa	aacaaaacaa	aaacaaaaac	agaaaataag
93961	gtgggagtc	ttctttttaca	accatggata	ccttttcttt	tcttttcttt	tttttttttt
94021	ttgagacagg	atcgctcttt	tgccagggct	ggagtgcagt	ggttcgatca	tggctcactg
94081	cagcctcaat	ccccagggct	caagcaatcc	tccacctcag	tgtccaagt	agctgggact
94141	acaagtatgt	gccaccacac	ctggcctttt	tttttttttt	ttttttgaaa	tggagtcttg
94201	ctctgtcacc	caggctggag	tgcagtgggtg	tgatcttggc	tcaactgcaac	ctccacctcc
94261	caggttcaag	caattctcct	gcctcagcct	cctgagtagc	tgggactatg	ggcgaacacc
94321	accatgcctg	gctaattttt	gtattttttac	tagagacggg	gtttcaccat	attggtcagg
94381	ctggctctga	actcctgacc	tcctgatctg	cccacctcag	cctcccaag	tgtctgggatt
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95221	ccccagccc	catggttagtg	ctcagcaagt	gtttggtgaa	tgaatggatt	catgctctac
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95341	tatatgagaa	ttgtattggt	tattttcaaa	tttgccacat	attgtctgtt	tctccatcaa
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96481	tttcttttag	aattttgtgc	taggcagtgc	tttgttttct	ataaagaact	agtatttttt
96541	gtcctttcca	ataatgtata	actgggttaa	gttctgaat	ttcatccgct	atataagcca
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96661	tcaatcctca	ctttccattt	gttaattcat	tatattaata	tatgcttttag	ttacaagcta
96721	ctctgagccc	tttgtagaga	gaagcagggt	gtaagcaata	atttccattg	caagtaggaa
96781	tgctgtgcag	tttttagatag	taatataaaa	actatgaatc	tgatcctaga	agttttgccc
96841	ttgaacaaca	ggaagcattt	ttaatcagaa	attccaagaa	agctaaaatc	cagaggtttt

FIGURE 3 (continued)

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96961	aaaaattaat	agaaagatat	gctaaactct	ctttctgcat	ccccatagta	gcgcatgtaa
97021	tcagaatgac	agtcagaaat	tgtgtcactg	cttatttcag	aaattagtgt	tcaccaccaa
97081	ataagtcaat	ttctaaaagt	caggactcac	ccctgacaaa	gtcatcagaa	actgtactta
97141	ctggaatttt	ctcagaagct	ctacctcctt	agaccatggt	agtgatcaca	gtggctcagt
97201	ctcataatca	cctactcact	cattcagtc	gtcaacaaat	gggcacatto	taggcattag
97261	tgctaccatg	gtgggcaaag	ccagtcattt	tcttgactct	gcggagatta	tagtctgatg
97321	tccaatacaa	tatgtgttaa	atagcacatg	ttgcctaaat	cttagctaaa	tcaaaaagca
97381	gaattcctct	gaaaatcctt	agctgtgctc	atttctaaaa	taaggatgat	gacttcactt
97441	tggcagttaa	cataaatggt	ttggtgtata	tagatataat	aaagggtgatt	gcaagcagca
97501	ttcacaagat	aaaagggcaa	ggacattgac	tttttgacta	acaatgaata	atatcaaccc
97561	gtaatataaa	aatatgatgc	caactaccta	atgatcatag	aagatatcat	ttattcattc
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99901	aagggtatggc	ggaaggagac	atgacccaag	gttatggctg	cgtttgtcat	ttttcctctg
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FIGURE 3 (continued)

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100141	ttcttcaggc	ttcctaaa	aaaggagcag	aggggaatct	cacaccaaca	agggggaggc
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100621	atgggttaggc	aatcaccagt	ccagttgcaa	agcaatgttc	atagcaggta	gcaaggctgc
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100741	gagaagcgca	ggggagagat	gcaggtagat	aacttaggca	cactgactcc	ctggggctcc
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101881	ttaaagaggg	ataatagagt	atcactagaa	aaacagtaaa	tggggtaata	tggctatttg
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102541	ccccatgaca	ggccctgggtg	tgtgacattc	cccacctgt	gtccaagtgt	tctcattggt
102601	caattcccaa	ctaagagtga	gaacatgcgg	tgtttgggtt	tctatccttg	cgatagtttg
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102961	gtcttccaca	atggctgaac	tagtttacag	tcccaccaac	agtgtaaaag	tgttcttatt
103021	tctccacatt	ctcttcagca	cctattgttt	cctgactttt	taatgatcgc	cattctaaat
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FIGURE 3 (continued)

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103261	ttctttgtag	attctggata	ttagcccttt	gtcagatgga	tagattgtaa	aaatgttctc
103321	ccattctgta	ggttgctgt	tcactctgat	ggtagtttct	tttgctgtgc	agaagctctt
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103441	aatcatgaag	tccttggagg	gcatgatttt	ttagactaga	aaagggaggc	cagctagaca
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103561	aaggaaacat	aagggtactg	gtgtaaggta	gtaaggagca	cttctcaata	gatttccagt
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103681	tactgcattc	caaagtcaaa	gaaaataaaa	ggaaatggcg	cagtgtccag	aaacaaagag
103741	aaaactcaaa	gccagaactg	tgactagagc	tgatgccaca	gcagatcctg	ggaggtggga
103801	gttggttcca	ggtcttagta	acagggacct	ggcttttacc	acctgtgtgg	agtggatgca
103861	gcaatgtagt	ctgggaactt	tggaaaggcc	taacaccctt	gcataagtc	aggaccctca
103921	gagaaccacc	ttatcaatta	caaggagaca	ggaaaccttt	agtagcccta	agaaacaaca
103981	aagaagctct	ttagctttta	tacatggttg	acaaaaatga	aaattgccta	cagcaaattca
104041	aagcaccaca	ctgtaccac	atacagttat	gagttccaaa	tctgttatac	atataatgca
104101	gaaacacaag	ccaaaaaatt	aaaataataa	ccagccatga	agaagtga	tccccagggc
104161	tctgactcaa	gtcaaaggca	caccactctg	ttaaagacatg	ccaaaattca	ggggccaattg
104221	aatgcccaca	ggcaaaat	gggtactga	agatatgctt	ataaacaaaa	atggcagttt
104281	atataaagaa	actcccatga	ggaaacatga	taaatgcaaa	gtaaatataa	aaaggtaaag
104341	aaataaatac	catacttaaa	gaatagggca	atgccccaac	tgggcaacat	ggcaaaatcc
104401	catccctaca	aaaaatacac	acaaaaaaat	tagccgggtg	tgatggtgca	tgctgtggt
104461	cccagcaacc	ttggggaggt	gaggtgggag	gatcacctga	gtctgggagg	tcgaggctgc
104521	cgtgagctgt	gattgtgcc	ctgcactcca	gctgagcga	cagagcaaga	ccctgtctca
104581	acaacaacaa	caaaaaaata	tagggcaatg	tgagaaaaac	agataagttt	gtaaaacaga
104641	caaataaaa	ttttatcaat	ggaaaatcgt	tgaacttaat	agatgggcaa	aacagattag
104701	acacagctta	gcagggagtt	catgggctag	gaggtgaacc	taaagaaatc	atctagaatg
104761	cagcacagag	aaataacgac	atggagcata	taaacaagag	gttaggagtc	aaaagaagat
104821	attaacaaga	aagttcgata	ttcatccaat	tgtagttcca	aagaaagact	agaaagcagt
104881	cgggggaagc	tgagaatggt	ccagaattga	aaaaagctaa	gaatcctcat	ttaggagaac
104941	tgcattgatt	cccaagcaag	attaaaaaaa	aaaaataaaa	tttccataacc	taaaaaggtg
105001	atggaacaga	tgaattatac	aagttgtctt	ttctgaataa	ctttcaatac	catgaaagca
105061	attctcattt	gcaattagat	taagtacaaa	ctggtaaaaa	tgcaaggag	atggcacaaa
105121	taaccctcag	attaccattc	taccgaaat	tccgcatctt	cacttcacac	aaagatagca
105181	aaacaaagga	gattttattt	cattttctatt	taagcagcat	gtctcgctaa	actttctttg
105241	aacttttctg	cactaggtct	gcactgacat	tgatgagtgt	cgaaatggag	cgtgcgttcc
105301	caactcgatc	tgctttaata	ctttggtaag	tatttctcac	agctgttggt	atcaaagcag
105361	aacogggttat	taaaacaagt	gtatgtttat	agatcatagc	ttccaaacac	acctagaaca
105421	tgtgggcata	atatatttga	ttggcagaat	aaaggcaaaa	gtttgtgctg	aaaaagtgtt
105481	taatattgag	aatttttaaa	gtaattttta	tgtaagaata	attttataag	tgccaagtcc
105541	tttattttct	atcaaagttg	caatatttag	ctattagata	actattttatt	gagtaataaa
105601	ttattactcc	tgtattttta	aattgtgaag	agcttggttag	tttatattaa	tagttcagta
105661	ttttactggt	gactacacaa	tccccaatg	gcattattta	ttttcataaa	actttcaatc
105721	atgggggtcag	gagatcgaga	ccatcctggc	taacatggtt	aaaccccgct	tctactaaaa
105781	atagaaaaca	aaattagccg	ggcctggtgg	cgggtgctg	tagtcccage	tactctggag
105841	gctgaagcag	gagaatgaca	tgaacccggc	aggcggagct	tgacgtgagc	cgagatcgca
105901	ccactgcaat	ccagcctggg	cgacagagca	agactccctc	tcaaaaaaaa	aaaaaaaaaa
105961	aaacttttca	aaacttttca	ttgtattaaa	ttaaagtgtc	tagcacttag	ggatgcctat
106021	aacttaagta	ttcagatatg	ggttttattt	ctgaaagtcc	ctgtcaaaact	gtgtccaaga
106081	tgagagatgt	accagagttg	actatcaaga	aaagaactac	tgattacgtg	tatgactatt
106141	tgaaagttat	ccagcctcta	ggttccttgt	ttccttgtaa	gtaaaaaacac	tttacattta
106201	tcaagtcact	tatttttaac	ctcacacaaa	cctcataaac	agggattatt	attatcccca

FIGURE 3 (continued)

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106261 ttttacaatt gaagaaactg agggacagaa atattacatc attaagtcca ggcattggtg
106321 agcatgccta tagtcccagc tcctcaggag gctgaggccg aaggatcatt tgggtacaag
106381 agtagtttga ggctacagtg agctgtgacg gccactgcac tctaacctgg gtgacagagg
106441 gagacctgt ctccaaaaag aaaaaaaga aatgttacgt atttagacta aggtcacaca
106501 tcttccaggt tggtacaga gcctgagttc ttctccgcaa tgctatatg cttaggaata
106561 gatggggatt tattgcttct cagcttttac caggacaaag tagtctgcaa atagatttgc
106621 gagatcttgg tgtaaaggta ataactgagc cacctagaga gaaggaaagt agacagtaaa
106681 tagaactcca ggaaacccca aaaacgaagg actaggccaa ggaaaaagag cagaagccag
106741 aaaaaggagc gaactgatag cacagccagg gaggctgaaa gatcgagaca agtcattgga
106801 aagcatgcat tggatttggc aactaagagg ttgtgagtga cttaaatac taaacaatat
106861 atatacttca aatggatgtc ttttacgacc tgtaaagtgt atgccaataa aactgcataa
106921 gatgaaaaag atctaagtga cagcatggtg actgtagtta ataatactat attatatata
106981 tgaaatctgc taagagagca gatcttaagt gttctcactg aaaaagaaaa aaaggaaggt
107041 aactatgtca gttgatggat gtgttactta actgactgtg gtaatcattt cacaatgtat
107101 acgtatatca catcatcaca ctgcacactt taaatatatt cagttttgtc aattatacct
107161 caataaagat gaaaatttta attttcattt tttaaacata ttgtataata tttattacat
107221 atatagtgtg cagtgtgata atatatatta tatatataaa agctaaaaaa acctggcccc
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107641 tgggtgttttc atcaacattc acatgatctt acatgtaagc aaagaagaag gcatggatct
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107761 gctcaaaactg tacctttgcc cacagctttc agctcatcac ctgatctttg ttccttgccg
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107941 attgaagaga ggcaggggga tgtgacatgt gtggtaaagt gttttttgac ttcctctatc
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108061 agtactccaa aatgaaaagca ttgcaattaa atgagcatgg agtgtaatag gaacagggtc
108121 caccaggttt gtgggagca gccagacatc catctaacca tcagctgect tttctctccc
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108361 cctgctgtca tctctaactg tctcactcct tacaacttcc agagtctgtc tgccctgacg
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108481 accttccgct tttggcaggt gactggcagg gccagacggc gccatgctgt atgtctacct
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108661 tgggtcccat gctgagcttg tagtgggccc tatgtgaagg agagggcag ctctgccc
108721 ccattcccaa atccaaggat ccagagtcct cagcctgcca tccattccca aatccaagga
108781 tccagagtc tccagcctgc atccattccc aagtccaagg atccagagtc ctccagcctg
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109201 ggaagaatgt ggtgtatcag agggggaata accccagcaa tttcctgaat tctcatggt
109261 tgggcttgtt tattacaaa aagcagtcac tgagaaacaa gtgtatatct ctgtgaaat
109321 cccattttc tgtgaacaaa ttgacaactc cctgggatg atgggtgatg gggctcttaa

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FIGURE 3 (continued)

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109381 tatgtttttg aatttgtaat aaggcacaac gacagatggt aaaggattaa taaacttggc
109441 gtgactacta aaataattga atctgccaga aaatagctca ttaaaaatgt atttgttcct
109501 agaggacatt ttttctcat taaagtgagt caaggatcag cctcgtggat cagccttcca
109561 ggccttccaa aggccttgct ggggcaagtg agcaggaacc aggagcccgg gagggctctc
109621 ctggagtctc gcctcctaaa tcttggttgc agagggagag cacagatgat tgagaataag
109681 caggctgtgg ctgaggaagt cactggtctg aaagcttttg ggtggtgagg ccaggaaatt
109741 taacctgtgc tcacataagt ctgatttccc ttggcccaga ctctgctcct cagactctct
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109861 tcctgtgac cttctgggtc cctcctccc atctccttct tctctctct cctgttctct
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109981 aacattaca ctattcaagt gcaattaaat agtttctaag cccaccccaa caaggctgag
110041 tgactctggg cctccccctt gggattgagc aaaggagcag agaggccctt gtcagccacc
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110521 caagaagatg cagacagaga tggcattggc gacgctgtg acgaggatgc tgacggagat
110581 gggatcctga atgagcaggt acctgcttct ctgggagggc ctgtgaattg ccacgtacca
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110761 aaatataaaa ctgacaaact tgggccacca gagtgctgat gcttcacaac aatggaggaa
110821 gtggatttag taaaagtctg agtgatgttc tgtcctttca tcttttagga taactgtgtc
110881 ctgattcata atgtggacca aaggaacagc gataaagata tctttgggga tgcctgtgat
110941 aactgcctga gtgtctttaa taacgaccag aaagacaccg atggggatgg aagaggagat
111001 gctgtgtatg atgacatgga tggagatgct agatttatct tgcttttgtc ttttatttgg
111061 aattcagttg acctgttctt attgttctct gagagagtag gaatagaatg actgattcgg
111121 agccttccag ctgtgggtgg ctctattgtg cctgcatctg gaagacccaa ggtggacttg
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111361 tacatgtgag agaccagaa gtggagaact gaatgagaag gcattgagca gggtcacaga
111421 ctatgcatca caggctacac atcccattgt gggcccttga aggaaaaacc ttttgaaat
111481 accacctgcc ccaacacaca catacacaca cacacacaca cacacacaca cacatacacc
111541 actccagaac atgcacaccc cctaaaaca tgacctcacc ttctgcaagc ctaactgatg
111601 acccatttcc agtggtatat gctggttaagc aaatcacaga aagccctagt tggtagcatt
111661 ttccagtttc catgatgtaa ctccgcattg tctcatttgc tgatttcaag ctaccaatgt
111721 gacatcatca aacacaaaac tgaaaagaga gggacacaat ggaccagct ccagcacaa
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112321 aaaaacagca gagcctctta gctgttgcca cttacctaac aaagcagagg tggaaaaatg
112381 acacactgtg ggctgaaga tggtgggatg aacaccacac aagatctgaa gccctagggg
112441 ctatctccca ggctgtcgat tgctgtgag gttagtaaca cgaacttcat gatgctcaat

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FIGURE 3 (continued)

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112501 acaagtattt ttcttcgaga aaggaaaacg gagcatggaa attaaccatt gggagccttg
112561 tgtcccttta gtccctaaac ccctacacag cctatgtatg gacatttcag attaagttca
112621 gccagggatg tgttgcatct cccttctcac tccctctccc tgtctggata attgggtatg
112681 atgtgtcatt tatttttaaa gccttgagag aggggagtca tgggtggcct ctgtgactca
112741 ctcatgattt tggccaaatt gcaaattgca gaagcaaagc aaaatcaacc tgcccttctcc
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112861 atgctacccc agcgccctt tccaatcagc tcatctggtg tgtgggcagc ccatccatgt
112921 agcttgatat tttagaaggc ttttttgaaa attcagcatt gtgcctacac caatatggtg
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113161 caccaatcag gacaggtatg gcatgtctcc caactgcaga gagacagatg caaacatccg
113221 gagagggttt ttggtttggt tttttttttg agggggagt cactctatc acccaggctg
113281 gagtacagtg gtgcaatctc ggctcactgc aagctccgat tcccagggtt atgccattct
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113581 tctttctggg tggactgagc tgtgtgtggg ataatagccc tgcctctggt cagaattacc
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115501 aaatgactca ttctgctatg ttttaattcc cacaagtgtg aaccttggag aagaggatag
115561 gaactgcttg tttttgcata aaaatgttca gggctacata gaacggctgc taatggaaat

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FIGURE 3 (continued)

115621	agctcagtct	tgtgttttat	aaagcagacc	tgctgcatgc	acagggattc	tgctgtttga
115681	gccacatcat	tttctgcttg	tcaaggetga	cttcactttc	actggaccct	ttctgtcccc
115741	ctgtaccatg	tggtaggtgt	ggccctagag	catggctctg	tccttggtct	ccctctccaa
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116041	gcgtggccct	gttcactttg	ccctctctcc	catggcgctc	aggtctgaat	cctcattgga
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116161	gtcagcactt	tttcatatat	tgaaatttaa	tatgcaacat	tctgattttc	atcattttaat
116221	ctccataaca	actctatgag	gtaggtacta	ttctcatttt	acagatgagg	acactgagcc
116281	atagagaggt	cagggtgcat	gcttgaggct	acacgctggg	cacagtggct	gagccaggat
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116401	tgagtatcat	ctagcagttc	ccagggactg	actgatagga	gcactctggt	ataaatcata
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116521	gggaaaaattg	tctctgaggc	ccatagggca	gccttatcta	agggaaatgac	ccagctgggt
116581	ttgatttttaa	gagccaaccc	tggtttaaaa	aaaacctcaa	gcacagactc	tccttcttaa
116641	aaatggatcc	ttctgttcc	ctgctgaact	gtgagccaca	tcacctgtcc	tttctctgc
116701	agtgatggag	atgggcacca	ggacagcaca	gacaactgcc	ccaccgtcat	taacagtgcc
116761	cagctggaca	ccgataagga	tggaattggt	gacgagtgtg	atgatgatga	tgacaatgat
116821	ggtatcccag	acctggtgcc	ccctggacca	gacaactgcc	ggctgggtccc	caaccagcc
116881	caggaggata	gcaacagtaa	gcaggctcag	cccagagctg	cacagcacc	ctgggtctcc
116941	ttcagccagg	cacatggggg	cacgcctctc	tccaggcacc	aactcagaat	atccccagct
117001	cccatcagct	gcttctctac	acccagcttc	tctgcatagc	tgagcttgt	gtggacagca
117061	gatatctggt	agacaccagt	ctccaactca	gtcaggactg	agctgctttg	catcttctctg
117121	aacaacctta	ggatgccatc	acacagggtca	gggaagcagc	cacacactgt	ggctcagtec
117181	ccaaagggtct	tggagagctg	ctccaccatc	ttacctgtca	cctgccacct	tccactggga
117241	gtcccagaaa	aggagcagga	tagagagaat	ggcacagtag	aagtgggtata	tgctgggttc
117301	acaaacacag	atgcctgcag	gtgccaggca	gataagaaaa	tgtctgcacc	aagccagaca
117361	tgagacagca	gggagtgttg	gggactgaag	tgacctggag	agggcatgcc	catccacagc
117421	agtgcacatg	caaaaaatgcc	agcacgttag	ctgaacaaca	cacacgtggg	ggccaccaga
117481	agttagtgtt	agagatatte	tggttaacaat	aatttccctg	ttttctacac	attacagtcc
117541	agaaagtgtc	gtagacattt	gcttatgtga	ggtcaagctt	aagatccacc	agttgggtgaa
117601	ctcaactgta	ggtaataaga	acttcttgag	gacagagtgg	agggcaactg	ctcaaattga
117661	tctttcaaaa	aactctggga	ggactggcct	ggtcaccacg	tacaaggact	ccagaatggg
117721	gcctggcacc	agctcagaca	tgtecccagg	gctcctctcc	caacactgat	gggaaatcat
117781	ggccctggtt	gtgggagctt	gagcccttct	gttccctcatg	cagccccctt	ccctgccaaag
117841	gagtggcggt	gggtgtgagc	gctattgagc	tcctgtcctt	tctccacccc	actcaggcga
117901	cggagtggga	gacatctgtg	agtctgaact	tgaccaggac	caggteatcg	atcggatcga
117961	cgtctgccca	gagaacgcag	aggteaccct	gaccgacttc	agggcttacc	agaccgtggg
118021	cctggatcct	gaaggggatg	cccagatcga	tcccaactgg	gtggtcctga	accaggtgag
118081	tgtcacatgg	gcggcaatgg	ctcagccttg	cctctcaaca	gaggcccttc	tgatatgggt
118141	aggctcatgtt	tagagggtgc	agacaataag	ccaggcattc	ttcacattcg	ctcttattcc
118201	tcaacagccc	tatgacagac	tacttcaatt	atgccatttt	tacagaggat	gaaattgtct
118261	gctacagctt	tcatgattgt	agcagcttta	atgatggtag	cactgtggta	agtagctgag
118321	atgactggaa	ttgggaccca	ggcagctctga	ccctagaacc	cacacttctg	atctctgcag
118381	cagactgcct	tctgcatatc	ctcctcattg	tgtaactaag	aagtgcaggc	acagagaggc
118441	ttagtagatt	ttccagagtc	acagagcaag	tcacattgat	tagaagtata	tgttgtatgc
118501	tccccagtta	agggcctgtc	caatcagctt	aagtgcagct	ctcagcaaac	ttatttctat
118561	tcagctttga	gctttttttt	aacctttaca	agcacatgct	ttctttgagc	acataacaca
118621	atagagcaac	tatttcagat	aatgaaatct	ttatatggag	gtcagacatc	actggccact
118681	cactcatatg	gtgcctgagg	ttttgagctt	ccttaagggt	acttgcccc	ttcaagactg

FIGURE 3 (continued)

118741	ttctgaactc	cctcaactct	ctctgcaggg	catggagatt	gtacagacca	tgaacagtga
118801	tccctggcctg	gcagtgggta	tgtccagggc	ctcagttgcc	actcacatag	aattcttcca
118861	gtactagtgt	tggtttgtct	attgttctaa	tcttatctgg	tccctacagg	gtacacagct
118921	tttaatggag	ttgacttcga	agggaccttc	catgtgaata	cccagacaga	tgatgactat
118981	gcaggcttta	tctttggcta	ccaagatagc	tccagcttct	acgtgggtcat	gtggaagcag
119041	acggagcaga	catattggca	agccacccca	ttccgagcag	ttgcagaacc	tggcattcag
119101	ctcaagggtat	tgggtggtttg	aagtcattca	tctccctttc	ttctggacct	ctcatctttt
119161	ttcagatatt	gtgttttccc	atgtgggtact	tagttaatct	aaaaaaaaatt	gatgcattta
119221	tgctaacgtt	agagtcaggg	aagactacag	ttgacccttg	ccttcattcc	tgtgtgccag
119281	ctacattcta	acctctcatg	gtgggaatcc	cagcctacat	gaggtcagag	agaggggaagg
119341	tttagagtgc	atcttcaggc	acactgtgtt	ggaaactggc	taataaattt	catcgatagg
119401	tccaactttg	tacaggaggg	ctgatgggct	acttctgtca	ctcctgctag	gacacaaggc
119461	tgacttaagt	agccagacgt	ttgataggag	ccctcattgg	gcaaagttag	ggagcaatgg
119521	atgtgcagca	ggaacaaaca	tggaaatgtgt	aatggaatac	tgggcaaggc	ttagtagtaa
119581	aaggttgggg	tcacctccat	agaaatgaca	tttaagtgtt	tatgctttgt	tctgaatcca
119641	aggcagccgg	attataacca	tgactataac	ctggatcatc	acttcagatc	caggaagcag
119701	gaaggttggt	gcctgtgtcc	tgtcctaataa	ccttgcttgt	gtcatcatgc	aggctgtgaa
119761	gtctaagaca	ggtccagggg	agcatctccg	gaactccctg	tggcacacgg	gggacaccag
119821	tgaccaggtc	aggctgtcgt	ggaaggactc	caggaatgtg	ggctggaagg	acaaggtgtc
119881	ctaccgttgg	ttcctacagc	acaggcccca	ggtgggctac	atcaggtagg	tagaggcccc
119941	atctccttac	cttgtctctag	aagcaaagca	ttctccgttc	tgcattcccag	agccttcatt
120001	tccctgagca	attctgacct	aggatagtcc	ccaaggacat	gccaggactt	ttgtgaccgc
120061	aggatgggga	acctagaaaa	gaggtgggag	agaagatatt	cagggtcaga	ccaccgccgac
120121	aggacagtag	gaccaagatg	gggatagaag	gagcagagct	gaggggacga	cccagcgttg
120181	tgggggttgg	gcatttggat	ggctgtgccc	ttctgccatg	ctctgcagag	aagcctgagg
120241	gtggacatgc	caatcggtat	gaggtaaagag	gtgtggcagg	gtctcttctc	cacaccctcc
120301	cctgtggcac	ctctgggccc	tgtgtaatca	cttactagtgt	cacatttcac	cctgactgca
120361	gcactatgtc	ccttacagtc	tgtcttccct	gctggatcac	aaactgcatg	agagcagcgc
120421	ttgtatcttt	tttttttttt	tttttttttt	ttggagacgg	aatcccactc	tgttgccagg
120481	caggagtact	gtggcgtgat	ctcagctcac	tgcaacctcc	gccttccctg	ttcaagtgat
120541	tcttctgcct	cagcctcccg	agtagctggg	attacaggca	cgcgccatca	cgcaggctca
120601	atttttgtat	ttttagtaga	gatggggttt	caccatgctg	gccaggctgg	tcttgatctc
120661	ctgacctegt	gatccacccg	cctcggcctc	ccaaagtgtc	gggattacag	gcattgggcca
120721	ctgtgcctag	ccatagctta	ttattttatc	ttgatctccc	cagtgcctag	cacaaagcct
120781	gacatctact	acacgtggca	tgaactgac	atcatgtagg	ccaaagtagt	ctgacttctt
120841	tctttatagg	acttttttgt	tgtttgtttt	taagtattct	cgggagttag	gaggcttagg
120901	gctgtgtctt	tgaatgttag	atagtgttct	tcttcatttg	aacttgacga	tcaacaccca
120961	tccatgccta	tgtaggatat	ttaggaagga	gtactgagtgt	cattctcctc	atcagggcag
121021	gaaagcagcc	ttgtggaaaa	aagaaaatca	tgagggcaaa	ttcatgtttt	gtttctcttt
121081	gtgacattat	gtcaaatgta	ctctttttgt	ctcacagtga	gatgatcatg	ttctcagccc
121141	tattaagccc	aatgccccct	ttttattata	aatattttga	aatgccccct	tttccgtccc
121201	aaaatggaat	catagaaatt	acaacctacc	tacacgtata	atctagaaaa	tcaatgtgag
121261	ccctaacaat	atcatagaga	aataagaata	atttataaca	aaataattta	aatattttgag
121321	cacagccaca	ccagaagaca	aaatgaaaca	gacacttgca	cccatgccta	gaatcactac
121381	gaaggtgaca	ttctaacaga	ctgttgtgtc	agtgacttaa	atgtttgtta	cactgggtga
121441	tgacagcaat	gtaaatttct	caaattggtac	acattttaga	atgttaattt	tcaaacaaat
121501	tttctcaatt	taccctggaa	aatatagttt	atattaaaaat	ttgtgcaaaa	tatacttgct
121561	gtttacaagt	gaaagtgagt	caggttctag	gcctgatag	ttgctcttta	cctacctggg
121621	tgtctgagga	acactccaga	agtgtatgga	atgcaggaca	ggttttgatt	gttctcgcca
121681	gggcattgct	cgccatccag	catccctggc	tgccatcact	cagtgccact	gtgacaaccc
121741	aaagtgtccc	cacagattcc	tccaactcta	cttagggagt	gctgtctcct	gtggagaatc
121801	attgctctga	gattecacca	aaagatataa	atcagaccaa	aggaaaagcc	aaagttttta

FIGURE 3 (continued)

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121861 agcatgggtat ctagacaagg caactcacat gacaataaga cacaaaactt tctcactcaa
121921 gatagcaggt ttggttttgg ttgatttttta actcaagttt gatagtgtga ccaacatcat
121981 gttaggcctt gtgagagaca gaagttggga agaaacaccc cccacccccc tccacacaca
122041 cacggacaca cacggtcctt gccctcaagg acttccagtc tagtaagtaa gtggcaacag
122101 ctacagtaca atccaggtca gcgaaaaatg gagcctaaaa cagagcaaag aaagacgcag
122161 gtacgtataa gaagtggggc ccctgggctt cacagtgggc actttacccc ggggttgatt
122221 tcatggaggc cctcctggcc gtgtgtgctg cagggtacga ttttatgaag gctctgagtt
122281 ggtggctgac tctggcgtca ccatagacac cacaatgcgt ggaggccgac ttggcgtttt
122341 ctgcttctct caagaaaaca tcatctggtc caacctcaag tatcgctgca atggtaatgt
122401 gcattctcgt tactgttcaa cattgttact agaattagtc aaacactgcc acctattttt
122461 tataccgcac tcccccccca aaagcccaac gctcatacca catagtcat taaaacctgat
122521 agtccctgtg taccagaagt aaaaagcaga tcacatttat cctattttat ccatgtggaa
122581 attaaagacc atagaattta actgcatggg ttagggtttg gggttcagtg agaaatccag
122641 tcagatttaa ttacaggaa gccttttatt tcatgtggtt aaaacataat cacagatgca
122701 aaatccattc tgctgtgta ttttctgcac ggccgggaag gagcactcct gggctttaag
122761 ccaacggttt gcaaagcagc ctgcaggaga aaatggcggc gagggcctgc ggggcgtcct
122821 gggcgggcta acagcgcccc ctacaggacg cctgagccgc gggcggggtt cgggggtctc
122881 ggggtggaag agcctcgcta acctccctgt gccattcct attgcagaca ccatccctga
122941 ggacttccaa gagtttcaaa cccagaattt cgaccgcttc gataattaaa ccaaggaagc
123001 aatctgtaac tgcttttcgg aacactaaaa ccatatata ttttaactta attttcttta
123061 gcttttacca acccaaatat atcaaaacgt tttatgtgaa tgtggcaata aaggagaaga
123121 gatcattttt aaaaaccgtg ttgctcagac attgctctca cgtggctcag gctttgaggt
123181 gcccgttctc ggagggatcc ctgttaactt gcagggtggg agtttcttct cagaccgggt
123241 ggccgataag atgagcctat gcgtgaatca caaggcccag gccagaggtc tcagctgggg
123301 tccccccagt ttgctccata caaaacgcct aaccgttcca tgctcacctt ggcagcctcc
123361 ttatttcggg taaggggtct cagaaacacg tgtttggggt ggcaccttc ctagggaggc
123421 gtttttctga cctagtcctg ggacagattt gcccaattct ttctgatget gtcateccat
123481 cccacacctt ccacagactt ctattctggc cccttcaacg taattcttaa gottatttat
123541 atatttggtt cccctagtg gactgtaagc atattgacaa taaaggatca tgtcattaca
123601 atcaatatcc ccacagtacc tggaatgtag taaatagcca gtaaatgttt actgaattaa
123661 taaacgaaga atgaatgaat gaatgcctct taaaggacag tagagtgtac atgatacata
123721 aagtcctcct caactcaaaa agtcacaaca taccctctat ttgtggtacc agtagctgga
123781 tgtacagcac agaaacttgc ctaatttgta cactagcctt tcttgattt caattgtaaa
123841 tcaagatcca agcaaatttt tataaattct ctagaaattt tgtttcaaag aatattgctg
123901 tgcgggtata tttttctta ttccagaatt cctagagata tattaaatca tgtatgaaga
123961 aaaaaacacc acagttttat catgacttta acagtgagaa aatacaatgg tgcattgcat
124021 agatctggag gatttctgga catcctcctc tcatgtacag cctggagatg tgtgtggcct
124081 tgtaatccag gacatctgat ctctacatc aaaaactcca atggggccag gtgtgggtggc
124141 acttgccgtg ggtcccaagc actttgggag gccaaaggcag gcagatcact tgaggccagg
124201 agttcaagac cagcctggcc aacgtggcga aacctatct tactaaaaat acaaaaatta
124261 gccagggtgt gtgccacttg cctatagtc cagctatttg ggaggttgaa gtgggagaat
124321 cacttgagct ggggaggcag aggtcgcagt gagcagagat tgcaccactg tactccagcc
124381 tgggcaatga gagtgaggct ggtgaaagga ggcagcaacc cacaccatgc ccacctctgg
124441 ggcagcctcc ctggtgtcgg ctgtgcaagc ccaagaacgc agtatgtcca caggaaacag
124501 actctcttgg ttaaactctt tgtgtctata actatttttag aaacctaggg cccacaggag
124561 atccagaaca taattccatc ccttagggag cttattacat ttttggaag acaaaaactt
124621 ttatttatgc aaaacaagaa acaagacgc atgtagaacc agcagtgtgc tgaagccaac
124681 tctaccagc tcataagagc caactattca agtttttaga atattgtgag ccagttaaac
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124801 aaatcagggc tcagagaaac tgggtgttaa atatttatca gcacacaagt gattattcta
124861 ccttgtctta ttctagttg gccctcctta ttttttgaa gctgatgtag aaaacttgag
124921 gctttcagaa aatttcttgc ataagaaatg aagtaagaaa agtgaaaatg ggtggggtgc

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FIGURE 3 (continued)

124981	tatggctcac	acctgtaatc	ctagcacttt	gggaggccta	ggtgggagga	tcgcttgagg
125041	tcaggagttt	gggaccagtc	tggccaacat	ggtaaaaccc	catctctact	aaaaatacaa
125101	aaattaggcc	aggtgcagtg	gctcctgcct	atactcccag	ctcctcaggt	ggctgaagca
125161	caagaatctc	ttgaacccgg	gaggcggagg	ttgcagttag	ctgagatcgt	gccactgcac
125221	tccagcctgg	gcgacagagc	aagacgtgtc	tccaaaaaca	aaaacaaaaa	aaaaaaaaag
125281	tgaaaatcag	gaagcacttg	agagaagcta	gccagttgca	gactgacggg	atgagctagc
125341	aggtgtggta	tgctctcccc	caggtaactc	cctgggcttc	ttggatactt	gttatactca
125401	accttagcac	aatgactcaa	attcctatta	cagttccatt	aggttagtaa	gagcctcatt
125461	tgaatcttac	acctctagga	ctgagtggcc	atcagtctct	caccaactag	tatgaattca
125521	ttccaatgcc	cattcacctc	ctgacttttc	atggagatcg	agaagactga	ggagctgggc
125581	atggtggtgt	gcacctgtgg	tcctggctac	ctgggaggct	gaatggggag	gatcacttga
125641	gcccaggagt	tcaagtccag	catgggcaac	atagcaagat	cctgtctcac	tttttttttt
125701	tttttttaag	tactggggga	atgggaggcg	tggctgggaa	agaaaagagg	cattgtcact
125761	gtgggggaat	gggaggcgtg	gctgggaaag	aaaagaggca	ttgtcactgt	agggaaaaga
125821	tcattggctga	gtagaatccc	acgggaagtg	tgggagatct	ctgggggcag	gatgagggca
125881	ctgggggcag	ccagaggagg	cctgggggca	tgggagcagg	tgcacaaagg	gatgtgcagc
125941	ccttttttgc	tacactcaag	aaaaaggaaa	aaaaaactct	tccttctccc	catccaggtt
126001	attagtccta	ggctccagaa	gtattatggt	gattatcctt	aggtttaattt	tggagacagg
126061	ctatagagtt	aaagagaatg	aggaagatat	agaatccagc	cacctgctat	tgaaacatct
126121	gtaggcattt	tttattgcct	aggctagaag	ataactggga	acagactcaa	gcagcaaaaa
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126241	ggtgagaggt	ggggtgcccc	tgtttgggat	acacgcctgg	ggtccccagt	aacatcggga
126301	ctgtaagggt	ggctcaacct	ttcagtggca	tgaagaaacc	ccctgcagtg	tccacagctc
126361	cgcattcttac	agccccgccc	aatttggtea	taggcaacct	caggagacag	agacgctcac
126421	cccaaatttc	ctggggcagt	atagtttcca	cagtgggtga	gggtgtttta	ttccagagaa
126481	ataattctag	tactatagaa	ttaagtatat	agatgatgaa	gtaaattgga	cccatcatcc
126541	taatattttt	gtgtggtgtt	ggggaattat	gtttgaatat	gtggcaacgt	acttgaaata
126601	tctaagagaa	tttggcataa	ttagagaatg	caaattgaac	ttgtgattcc	agtatagaat
126661	gcagacagat	gctcttcacc	ttaaaatggg	gctatgtcct	aataaatccg	taagttagaac
126721	atatcttaag	tccaaagtgc	atttagtact	ccaataaacc	caagtcaaaa	gtttaagtca
126781	tccatcatga	agtcagata	ctcctcaatt	taaatagggt	tatgttttga	taaaaaatcg
126841	caaaccatca	ttagttggga	gttgtttata	gttgaatat	tggtttatca	tcattcatct
126901	tattagtatt	attgagacag	gatctcactg	tcgctcaggc	tgcagtgcag	tgggtcagtc
126961	tcagctcact	gcagcctcaa	cctcctggct	caaatagtc	ttccacctca	gccttccaa
127021	tagctaagac	ttacaggctc	ataccaccat	atccagctaa	ttttttctat	ttttttttgt
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127141	tcctgccttg	gcctcccaaa	gatagtattt	gatttttagac	ttgtgatttt	aagtcagaag
127201	gtaggagaat	ttggttgaat	atgaaaatat	tgagatgatt	aagataattt	ctcatccatt
127261	atatacat	tttaaattta	caagttatat	aagcacatag	gtaggtttca	tcaaattgaca
127321	aaaaaatgca	taaatgaaat	ttaaatatat	tgtttttaat	gttacaaatt	agcatagtat
127381	gtcataaatt	aatatattac	atttataaat	gggatttaga	gtgtttaagg	aaatttaatt
127441	aagtttgcaa	atgggactaa	acattaatca	aaagcctaaa	agtgattata	tatttttgcta
127501	tagagtaata	agtagatttg	catattttata	gaatatagta	aagtaatacg	atttttaagt
127561	tgaatttttt	aacttaaggt	tttgtaattt	gtaactttta	tcagatacta	atttttaaac
127621	caaagtcacc	ataaattgtg	ttttctgtaa	aagacaacct	ttccttcagg	aataaggaat
127681	gocctctaca	agctccacat	tttaccacct	cgcccaaatc	gttgggtta	aacctcagac
127741	aattgacatg	caccccaaat	ttccttaggc	agtagagttt	ccttagtgga	gaagggtcct
127801	ttattcctga	gaaataattc	tacaattgta	gaactaagta	cagatatgct	gaagtcaatt
127861	ggacccatca	tcctaattat	tttgtgtggt	gcttgggaat	tatgtttgta	tatgtgcca
127921	agtacttgaa	atatctaaga	gaatttggca	tacagaatgc	aataaattca	atgtgggatt
127981	ctagttttaa	atgcatacag	atgctccctt	acttaccatg	tagttacatc	ctgggataaa
128041	cccacggcaa	gtcagaaata	tcataagtga	aaatgcattt	tatatatata	tatatatata

FIGURE 3 (continued)

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128101 tatatatatt tttttttttt tttttttttt tagatggagt cttgctctct cgcccaggct
128161 ggagtgcagt ggtgcgatct cggctcactg caagctccgc ctectggctt cacgccattc
128221 ttctgcctca gctcccgag tagctgggac cacagacacc caccaccaca ccagctaatt
128281 tttttgtatt ttttttagtaa agatggggtt tcaccgtggt agccagcatg gcattttaata
128341 tcttgataag cccatcataa agtcaaaaaa atcttaagtc aaaccattat aagttagggga
128401 ttgtctgtag ttgagtattt gatttcagac ttctgatttt aaatcagaag gtaggggagaa
128461 tttggttgaa tatgtaaatg atactgaggt ggttcagata atttataatc cactgtataa
128521 atttttttaa tttacaaggg ttattttaagt gcgtaggcag gttttgtcag acaagtgaca
128581 taaaaataaa acattataaa tgcaatttaa atttagttta taatgtatta caaattagca
128641 tagtatattg ttataaatat attaaattta taaatggaat ttagagcatt taaagaaatt
128701 taattaagtt tacaaatggc actagacaat caaaagctta caagtgatta taaattttgc
128761 tataaagtaa taagtagatt tgtatattta tagatgtagt agagtcgtaa gatttttaag
128821 ttgaacttct atacttaagg ttttgtaatt tgtaacttta atcaaacatt aattttaaaa
128881 accagtcacc ataaattgtg ttttctgtgt atgaaagcta cccttataag caaataacaa
128941 aatcaataaa aaacagcaca gtgacagtca gcaactgatt tttttttatt gaggggtgga
129001 gatctggaga actgcatect caattccaaa taaggggcta acaatcatcc cagaacactg
129061 cctttttcta cattggggac tgtcaccgca cagagggatt aaggacctg attcagctct
129121 ccttgactcc agggcatcac caagcagctg gctgcagcaa cgctgggggc ctgagctatc
129181 ctgctgtcag ctctcaaacc cctcattttc caggacacat ggcctgaaga atgcactagc
129241 cccaaacttg ggccctgggt tggcgatgtg gcaaggagca cctctctctt ctccctacta
129301 catcaaaaaa ttttaaggatg cctaaacatg tctgcttata tggagggtg ggggtgaatga
129361 gacgtccaga atgaaagctc tctattctg actgcgccac ctgactgaga agtaacttta
129421 gcttattttc ttggctcatc ataaaagaac gaaaagtatt ttcctcacat tgtctacctc
129481 ctcaactatg gagtggacat gcatccacgc cttcaactca ggtctttgag aaaaacaact
129541 ttatttccca aatttcacct tgtttttctt ctgagaactt attgtgccaa actcaagaga
129601 aacataacct cagtctttct tgggggtccc attctctctc cagaatcaag actctaggat
129661 gtcttctcag aaccaagggt tttggggagg gggacatcta tccacacaga ttccttctaa
129721 cgtgaccata gtcagcacc acccccata ctctaacaga ccacactggg gacctcaaat
129781 ctgtgtgaac ctttgcagcc attcctttac tggccctta cctatggact gcagaaagct
129841 cccacaggcc tcccttctct ctctctcagc atggggagaat ccttctcaag tatgaggagg
129901 gaagccttat tctccctttt gcttttggcc aagaaatctt atccattccc ggtgttccct
129961 cacttaagcc ctctatgac ttgaatttgc cccctgaagt tcatgtgttg gaaacttaat
130021 ccctaataca acacttttga aaattaaggc ctagtgggag gtgtttaatt catgagggca
130081 gagcccttgt gaatggatta atgtcagtta taaaagacct tgaggctgtg agttccattt
130141 cttgctctct tatactctct gcccctccat cttccaccag gggatgacac agcacaagg
130201 tctttaccag ataccagcac ttgatctatc ttggacttcc caacctccca tgtaaaataa
130261 atttcttttc tttgtaagtc accccatcta tggattctg ttatagcaat acaaaatgga
130321 ctaagacact cccacaaacc ccagacttgc actatgggct tagctctggg tacacaaaaa
130381 ctagaacagt ttgcaagctg gctctgactc acaccaccac agcctcactg aaatagtggg
130441 cccagagtcc actctgccag aatgggagga ctggggcaaa gggaaatatg aaaaggaaat
130501 gggtcfaatat ctcaaagtgc taccacaaca tattgtgaac aacttcaata gctaatttta
130561 aaaaattctt ttttagaaat gaggtctcac tatgttacc aggetggtct cacactcctg
130621 ggctcaagca atcctcccac ctcagcctcc caaagtgtg ggattacagg catgagccac
130681 cacacgtggc ctctactgt ttagatttgt tctaaaaga tgcctatgtt taaaccaggc
130741 cagatcactc accctagaaa tccacaaat aaccaatgag ctgatggctc caggcagacg
130801 ggtggctgag cccagttccc atcctggcct ggaggaggag acctaggaag tcacagctta
130861 ggatacactg gggcgggcgg gaagggttgc ttttatccat catccaagct gtgattcagc
130921 gcataagtct ccttttcatt aagtttaact tgttgagtaa cattaaattt atatactgca
130981 aagcacaata gaatttcact gctgtgaaca tacgcgttca caagcatcat ccaactaagt
131041 gtgagcatct gctgcctcat tgggggtatt tactagtcat tcattattta tttattttat
131101 tatttttgag acggaacctt gctctgtcgc ccaggctgga gtgcagtgg gtgatctcgg
131161 ctactgcaa gctccgcccc ccgggttcac accattctcc tgtctcagcc tcccgagtag

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FIGURE 3 (continued)

131221	ctgggacgac	gggcactcgc	caccactccc	ggctatTTTT	TTTTgtattt	ttagtagaga
131281	cgaggTTTTca	ccgtgttagc	caggatggtc	tcgatctcct	gaccttgtga	tccgcccatc
131341	tccgcctccc	aaagtgtctgg	gattacaggc	gtgagccacc	gcgcccggcc	tagttatttta
131401	TTTTgcagca	cctattagag	taaacagtag	cagatatcta	atgtctaaga	aaaatttatg
131461	gaaggaagat	ttgaacgaaa	aattttctcc	attagcatat	TTTTaaggag	TTTTcctcac
131521	aacaattcca	tcccactcct	acccctccta	ccagaattct	gaggatcagg	gcttgagaac
131581	taacatctcc	aaagtcccag	tagctctgtg	gttttctaca	ggctcctgga	ggataaggac
131641	cgtgccatgt	ttatctcacc	ctccacctct	caataaaagta	caaatttgtg	gaattggcga
131701	ggccaagagg	cctcaaattc	ttgtatcttt	catatcatcc	actagggggc	agcaatcctc
131761	taaaaatagc	ccctaaacca	gccactTTTT	tagctaaaag	atgactaaat	ttcattaaaa
131821	gtagaataac	aaacgcctgt	aatcccagca	ctttggcagg	ccgaggcggg	cggatcacga
131881	ggtccggaga	ccgagaccat	cctggccaac	acggtgaaac	cccatcccta	ctaaaaatac
131941	aaaaatttagc	tgggtgcggt	ggcttgccgc	tgtagtccca	gctactctgg	aggctagggc
132001	aggagaatcg	cttgaacccg	gggagcggag	gttgcaagtga	gctgagaccg	cggcactgca
132061	ctccagcctg	ggcaacagag	caagtattgt	tctcaggaaa	aaaaaaaaaa	aaaaaaagaa
132121	taacaacaac	tacaatttat	taaacactta	ctctgctcct	agcactatgt	tatatgctaa
132181	tagttcaggg	cttaagaaca	attttatttg	ccaggagtgg	tgtctcatgc	ctgaaatctt
132241	accacttttg	gaaggtgagg	caggaggatc	gcctcagctc	aggaatttga	gaccagcctg
132301	ggcaacatag	tgagacctat	ctctactgag	aatgttttaa	taattcgtea	ggcatgggtg
132361	tgtgcactgt	agtcccagct	acttgggagg	ctgagatggg	aggattactt	gagcctgagt
132421	ggacaggctg	cagtgaagta	tgattgcacc	cctgcccttc	agcctgggtg	acagagcaag
132481	accctgtcta	aaaaaaaaaga	actcttattt	atcaaaacga	acatctcaac	aaaaagcaac
132541	aaccaccaca	taggaaggaa	accaccacct	aaacgtgaat	tattgcaact	tagtctctga
132601	acgaacactg	aagcctcgct	ttcttttagg	tattgcttcg	caaagaacttc	tgccttgtcc
132661	ctcagcctaa	attcacagga	tagagtcttc	tccatgagca	aagcaaagag	ccattcatct
132721	atccactcat	cattcactca	ttcttcagac	acacactgag	caattactac	ataccaggca
132781	ctgtgctaga	tactgggagg	gattttaaaa	gtacacaaag	ccagtccatt	ttagtccagg
132841	cctctgtatg	actgaaagcc	tttgtcttac	tattaataat	actgatcata	actgcaaaat
132901	tatagtgtag	tttagaatta	aatgaacctg	gccgggcgca	gtggctcaag	cctgtgatcc
132961	cagcacttta	ggaggtggag	gccggcagat	cacttgaggt	taggagtttg	agaccagcct
133021	gggcaacatg	gcaaaaacca	tctctactaa	aaatacaaaa	attagccaag	tgtgggtggca
133081	tgcacctgta	gtcccagcta	cttgggaagc	tgagacagga	gaatcacttg	aaccttggat
133141	gcagagggtg	cagtaagatt	gtgccactgc	actccagcct	gggcagcaga	gggggattcc
133201	atctcaaaaa	aaaaagaatt	aaatgcacct	caaagccaac	cactagattc	tctcgctctg
133261	tttagaagac	atttgtttgt	tgtaagaacc	cagacttaat	cctgagaggt	tttagcgggg
133321	tctaaagaga	gcctcgctct	aaacatccct	gccaggaaga	acacttccag	ggagcagggg
133381	gcaggcagct	tcttggtcca	ggacagtctg	catgacctaa	attacttgag	tcaaaaattc
133441	tttgggccat	atagtgtttt	ggtggttgct	gttgggtttt	ctatttgcta	acttgagcaa
133501	acatttaaaa	tttgagtgtt	tttagacaaa	aacctggatt	tccaacttct	ctttaaaaag
133561	tcaaaaagctc	cagcctccat	ctgcattcac	gcacaggaac	cttgaaaagg	gcctgtgttg
133621	tccatgcacc	gcagtgtcca	cacatgtaag	tttctacctg	actctgtaag	tgatcgagta
133681	tgagagtccg	tacttgggat	ttcccaggta	ccctgtgcgg	cctgcagggg	atatggagaa
133741	ggttgggact	caaccctctc	tgtggcaggc	caggtctcac	gaatagctaa	acaggcaggc
133801	ctccatgaca	actgtttcag	cactgactga	gtgcttaggt	taaacattaa	aggetgcaag
133861	agccagtgtc	cttacacaaa	ggctggaatg	tgacaaaagc	caccaagagt	cttgcttagg
133921	cctttcctgg	gccttgaagc	atgacaagat	aacaaagaaa	ttcttacatt	cctcgtaacc
133981	acgttttagga	ttaaacacgt	tttattaggg	gtcagcaaa	aactccccag	accgccataa
134041	ctcagcggga	ggcaagataa	gggtaatcac	ccccagcacc	tggaccatc	tagattaaat
134101	aaacttactg	aggetccgga	ggaaggtctc	caggactcag	atcttagtta	tggattacag
134161	ggaatcagtc	acttgtgtct	tttgatgaat	ccacacttac	atgtagacat	atagcttcat
134221	ataagcactg	gaaaactttg	taaatatgag	tccgtctggg	gatattttcc	tggccttctg
134281	cctgtaccgg	gttacagaaa	taaactctct	tctttcccag	tttatctgca	tctcattact

FIGURE 3 (continued)

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134341 gggccatgag aacaagcagc ccaaccctca gttcagtctg ggaacactct ggctaacaac
134401 ctgttagggg ttgtcaccac tgcctggaga ggataggggt acactggggg ccagccgaca
134461 ggagctgagg tctcaggtag aagattccta ctttatcaat agatggaaag agattcaaac
134521 ccagcatcac tgactctggt tccaaaatct gaaattcttt tatagcgaca gcacacattc
134581 accaggtatg cagagaagag ttaacagcag gtccgagatg gctgctgac tttagttaga
134641 aaggcctaata tgcaaaagt ggccttggtt ggtagctgag cacttggtt tccagagtgt
134701 tcccaccatt tctgaaactg ataagagtgg ttcaccatgt cttgactgta cagtgtggtt
134761 tatgctgagc atctgctttt tttctgggag ttggaatttt ggtacatggt agggagaagg
134821 tgccatacaag acgagaccct aataaaaacc ctgggtgttg agtctctaata gagcttccct
134881 tgtggccaac atttcatatc cctgtcaca actcattgct ggggaaatta agcacaatatt
134941 atgtgacttc cacctggaga agactcttgg tagcttgccc ccctggtttt ctctggactt
135001 ggcccatatac acttttcttt cttttttttt tttggtgctg attttgccct gtatcctttc
135061 actgtaataa attataactg taagaataac tagatgctga gttatgcttc agccaatcac
135121 tagattctat ttagagggca tttgtttatt tgaagaactc agacttactt aatcctgaga
135181 gtttttacct ggggtccaaag agagccttgt tctaaacatc cctgtctaga aagcctccga
135241 tgagactttc tagcaaaoca cttaaatgta gtggtcttgg agaccccgaa acatcagtc
135301 actatctcca acaactgaaa gaggtcttgg gcttacaagg tgcaagaat aattgagtg
135361 ctaggtcatc acaggcatca ctaatgagaa aataatggaa aacaggggcc taaaagttga
135421 ggccaatcac cacaaaacac ctgcagagct ggagaagcaa aactcaaagt ggagaccctt
135481 gagattggac acatgacaag ggacagagtc taactgaagt ggtttatttg gttagtctca
135541 tacctagaga aatttaaggt gaggcagtca cccccaatac cagctctacc cttctttcat
135601 agtcatagt tcccaaattt ttgcaggaac ccagatgccc agaataaaag attatacttc
135661 ccaggtgagt tgtggccatc taagttctga tcagtggcat ataagcaaaa aagttcatgg
135721 tagcttcttg gaatcttctt ctaaagaggg ttaatttttt tttttttttt taaatggagt
135781 ctactctgt tgccaggctg ggggtgcagt gtgcaatctt agctcactgc aacctccgc
135841 tcccgggttc aagtgattct cctgcctcag cctcccaagt agctgggatt acaggcatgc
135901 accaccacac ccggctaggt ttcaccatgt tggccaggat ggtctcggtc tcttgacctc
135961 atgatctacc tgccctggcc tccgaaagt ctgggattac aagcgtgagt caccacgccc
136021 agccagatca ttaatatctt ttattgtctt tcttatccct cctcctaggc tggaaatatgg
136081 atataatagc tggagttcca gaggtctgtc tgagttgatg agaaagcctt gggaatagaa
136141 gcgtcatcac agagaacaag atagaactga caccgtggag taacatacca gtaacagacc
136201 ataagatttc tatcactgga ctttgtggac atgaaaaatc tccatctggt cttggggctt
136261 tactgttact tccagctaaa tttaatcctc cttaatgcaa aagaaattcc ggatggggaa
136321 gtgtttataa agtcatgtat ccagaaccat agactcacca aatcttagat ctgaagagtc
136381 atcaggaagc tttttgtttc agccttttca ttttacagtt ggaaaaactg aggcctagtc
136441 acctctgtgg tttgtcaggg ttacatggct agttaggagc aaaactgagg ccagatccca
136501 ggttttgggg ctacaggctc atggtttctc ttttctgct atgagaactg cctcaggtag
136561 gccagggcag gggtaaagtc caaaaggggg tttctgtcta gaggactcaa agaaaaagca
136621 gtgtcggatt gccgtagctc acgcctgtaa cccagcact ttgggaggtc gaggcaggtg
136681 gatcgcttga gcccaggagt ttgagaccag cctgggcaac atggtaaaac tccatttctt
136741 caaaaaatac aaaaatttagc tggatgtgat ggtatgtgcc tgtcgtccaa gctacttggg
136801 agcctgaggt gggaggatag cttaaagccct ggaggttgag gctgcagtga gctacgatgg
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136921 aaagaaaaga aaagaaaaaa aagaaaacat gctgatagac tgtacgtgat gaaatttcag
136981 agatctcctg ggaggccatc ccgcttccag ttcgatggg cagagactca acagtggaag
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137101 catcagactt cacacctccc tcttcccggt gtgttcaaac ctaagtctat acagatgccc
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137221 cttggccagt cctctatga agtacacaga ccgacaacct tttacagagg actgggcttg
137281 acaaagagct cgcttgatc catcttgctt cctgtgcgc acccgcccc actcacaccg
137341 agggagtttc ggccctgctg gaaacaccgt ggcagatgct ttggtggcct gccatttct
137401 ttcactttgt cattcacgga tgtcaaagca ccagcacctg cagttctttg tttctgggct

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FIGURE 3 (continued)

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137461 tcctctggtg caaaagctgc tttttctgcc tatgttggag gtgcggggga tttaggagac
137521 ctaaggaatg ggctccagtg agatgaaggg aacgggtgtg taaagcctca gcccctcgcc
137581 tgggtgggggc tgagtctgag gaatgtgccc tgcattgttc ccgcatgatt aggctccagc
137641 tgcccccagt ggtaaggccc ctctcctccc tctcctccct cccagctcta ggggtgcttc
137701 acctcccaaa taaagagggg tcaactcatcc ttatctcagg gtctgcttct gggggagctg
137761 accagaagca aaccttcctc agcactcaga ttttacttac tccaaaatta gggaatatta
137821 agtttgaaca gataccctgt gctcaaaagc atgcgcacag acatatatat agaaatttctg
137881 ggccgggtgc agtggtctcac gctgtaatc ccagcacttt gggaggccaa ggcggtatcac
137941 ttgaggccag gagtttgaga tcagcctggc caacctaggg agaccccatc tctacaaaaa
138001 taattattta gctgagtgtg atgggtggaca cctgtagtcc cagctactcg ggagactgag
138061 gtgggatgat cacttgagcc tagtagttca agactacagt gagccatgat ggcaccacccg
138121 tactccagcc tgggtgacag agtgagaccg tatctcaatt aaaaaaggaa atttccaact
138181 tttctctgag cccactaccc aaagacaatc atatgctca gccactcagc tgagctttac
138241 tgcccttcca agaatagcct agaaatccag taaggacaat ggaaactaga aaaatgaaga
138301 gacactgata ctggatctaa ttcataTTTT taacccact caccactgc aatcacaccc
138361 acccacagcc ttcagtaagt gctcagtaaa tatctgttag tcagcaaagc tactgggagc
138421 acacactctg cccctgcgcc atacaccctg ccccaaccc ctgctctatt atggtgattt
138481 cccactcct agtctctctg cacagaatgg tgaagaaact gcatttgggt ttttcaaact
138541 attcttcagg ccgggcacag tggctcatgc ctgtaatctc agcactttgg gaggtgagg
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138961 tgtcactcct gctggaggcc tgttggttct ttgagaactg ctagtctcac catttgccac
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139081 aactcaggga tccctcaag agcctgctg acagctgtta tctccttcat gaacacctca
139141 agtgacaggg aactcacgcg tgtatgatgt agcctatcct attgttgga ggctctagtt
139201 actaataatt ctatttagta aacatcatct attaaacatt tgctatgtgc cagcctctat
139261 taaaagtaat ttaactagcc aggtgtggtg gtgtgcactt gtggtccaa ctacttgaa
139321 ggctgaggca agaggattcc ttgagcccag gagttcaaga ctgcagtga ctatgatgc
139381 gccactctac ttcagcctgg gccacagaa aagacctcaa ctcttttaa aataaaaaatt
139441 aaatgaaatg tgcttaacct gtgtcaactc atttaatcat gacaacaatc ctatgaaata
139501 gatgctattg ttattactcc acctgacctg acaggcaagg aaacttacag cacagagaag
139561 taaataatta gctgaagatc acagagctag ctagcaagtg gcagaatgca atttcaaaca
139621 aaaagtggcc tttgagagct ttctctgtt gccttttttc tacttggggc agaaatcttc
139681 catcctataa gtgagccttt ttaggtccag atccttgtga aattgtgatg agtgccaagg
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139861 cttgtatcta tttggaaatt ctcttatgaa cttttttatt tctaacagac tttctccaag
139921 cttaattttc cctatttttt tatttttttc agacagagtc ttctctgtt gccaggctg
139981 gcatgcaatg gtacaatctt ggctcactgc aacctctgcc ttctgggttc aagtgatttt
140041 cctgccttag cctcccaagt agctgggatt acagatatgc accaccagt ccagctaatt
140101 tttgtatttt tagtagagat ggggtttcac cgtgtgtgct aggctggtct cgaactcctg
140161 acctcaagag atccacccat ctacgccttc caaagtgtg ggattacagg catgaacctg
140221 cgcgcccggc caattttccc agttctagat gaaagaatgt tcaaccacac caataacaa
140281 agatagacaa attcaaataa taaggtttaag gtgttatttt gtaccttat aacaacaaac
140341 aactataaag aaaatactca aaaatcaagt gctggccagg tgcaaggcca gacacctatc
140401 atcccagcac tttgcaaggc caaggcaggt ggatctctga gctcaggagt tcaggaccag
140461 cctgggcaac aagatgaaac cccatttcta caaaaaatta gccaggcacg gtagtgcgc
140521 tgtagtcgca gctactcagg agactgaggt gggaggatgc cttagcctg gaaggccaaa

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FIGURE 3 (continued)

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140581 gctgcagtga gctatgatca caccactgca ctccagccca ggcaacagag caagaccctg
140641 tctccaaaaa aagagtgtct ggaggggtgt actcctgttg ctgctgctat ggtacctgta
140701 tacactacca ttagaaatct ggcaacacac aggaaagact gatgaaaaca cccataagct
140761 tttgaccggg taattctact cctcaaattt attccaaaaa aataatttag atggaaataa
140821 aagtcacatg tagaaagata tttatagcaa acttttctct aagagccaga aaaaaaaaaa
140881 aacaatgtcc aaaaaaacia ctgggaaatt ataagcaaat atggtcatta gcttaatgga
140941 acatataaaa taatgaaaag cattaaaata acatttagga aaaaatgtgg aaggtggaaa
141001 tcaacatgat gatgattgtc aattgtgggg tgataggggt gggatgccc gggaaactttc
141061 aattcgcttt ttattgcctc actttaaaaa gtgagagacc aaataatcag aacaaaagca
141121 gctcagagga aagagagaga aactataaag gatcagagga tccctcaaac caaaatgaaa
141181 caaaacacta taaataatat cctctatgaa atatgaaaag atatgcatcc acgaaagaga
141241 aacagaagag gatgggggtg aatcagaaaa catgaaagaa ggcctggcat ggtggctcac
141301 acttghtaat tcagcacttt gggaggctga gtggggcgga tcccgtagag tcaggagttc
141361 gagatcagcc tggccaacat ggtgaaatcc catctctaca aaaaatacaa aaattagctg
141421 ggtgtggtgg tgcacacctg taatccagc tactgggagg ctgaggcagg agaattcctt
141481 gaaccggga ggcagaggtt gcagtgaagt gagatcgtgc cactgaactc cagcctggga
141541 aacagagcaa gactcccatc tcaaaaaaaa aaaaaaaaaa aaaagataga gttattggag
141601 atggagttat aacaactgaa gtagtaaat caacagaaac tctggaagat aaagtaggct
141661 aactatccag aaaattgaac aaaaaataat agagagatag aaaatgggag aaaagatgac
141721 caatccagaa gacccaatat ctacctaata ggagtcgct aagagacaac agagacaatc
141781 tccaggacag agagtgtaac tggccaagcc aaaggcatgt gccaaccca tggctaggta
141841 ggaaaggagg gatctggccc atttggtctc agaaggaaag ggcactgtct cccccacaa
141901 cccaggagta tgggtcccca aaaggaaaag taatagatgc tactagaaaa tgagggttag
141961 atgatataca gccaagagct accactgtcc actgcacagg aacctctgtt gactcctagt
142021 aaccacacct tcttctctaa atactcatag agcactttca ataggatttt tgcacctgt
142081 caaatgcaaa acctccctct ctaggcctgt tgtgcattat catagctgag atgtgtacat
142141 cctacatgcc aattgtttct catgagttat ctcatataag ccttacaaca aagcaaacaa
142201 gaaaatcate ttaataacct caattataaa tcaggacact actgccaga gcggttaaga
142261 agcatgcccc gcttcaccca gctaataaag agattcaagc caggatttgg acctagtacc
142321 ctgaccatgg agctgcact cttatgccac aggactttat gtacctctcc ctggaggctt
142381 ctgggtgccc ccagtgaacc cgatgcctca ctgcctctg gaccccaaag aggatctaaa
142441 gtaggtcgtc aaacagccgt gagagcctcc attgagccac acaccccgag tttctgcat
142501 gcagcccgag acctagctca gagagtcctt ggcattgctt gtcaccctag gaggtccatt
142561 agccctccca agtcaccagg gtgctgggag ccgccactag atctcagccc tcttccagct
142621 cacacacctc actcaggggc tgtccacagg cttgctctgg ctgtagcatg ggaacccctg
142681 ctcttcttta tctggtgcaa ggagccagg ggcattgctt aaggaaggct agccctgtcg
142741 gtgagacatg ttgtgcaaaa ggcaggttga ctggagaaaa gtcatacacg tttatttcac
142801 atttatacac aggatccttc agaataaaaa cccaaagata acgcggaaat tggccatact
142861 gatgcttaag attaacgaag tatgaacagc tatgtacaaa tgcgactgga caaaaaagg
142921 gtatgatcta atgctgatag actgagctgg gagattcagt gaggcctgtg tagattcttg
142981 gcctctctgc acagcatccc tttcttctgt gtgtggggca ggacctctc gggaatgggg
143041 gaattatgac ctacagtcaa acaaggtaag tcggatcatt tctttatggc cagtttttac
143101 acagaaaggc agagggaaaa taagagtaat atttttagga tttatggctg gctttgggga
143161 aaagaggttc tgggttctat ggggaagagg gattctagtt tctaaggcta gactagggga
143221 gaacgcgcct gagagaaagg agggcaggta tgcagagaaa aacttttaac ttctgaggct
143281 ttcatttttag agtactcttt tctgagctcc aacagtggga agccagagga agcagaactg
143341 tacttgtgag agcccccaga cagctggctc tccccacg cagcagcagt caggccccag
143401 agctcctctt gcacgacagc acaagggcaa agcctgtctg ggctgggtga agcttccgtg
143461 ggtctggctg tattgggggg aagacctgtc tgggagcctc ttcaactatt tatctgttct
143521 gccttccctc cccttgctcc tgtcctttga acgctaacct ggacacagaa gctctcagca
143581 tttaggaggc cttaattgca gctccattta atgtaagatc tcttgaagtg ggtcccaatc
143641 ttaggccaca agttcaggty tacagaaaac aaaccatttc tctttgtctt tttttttttt

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FIGURE 3 (continued)

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143701 tgagatggag ttttgetctg tcaccagggc tggagtgcag tggcgcaatc tccacctccc
143761 ggggttcaagc aattcttctg cctcagcctc ccgtgtagct gggattacag gtgtgcacca
143821 ctacgcctgg ataatttttg tatttttagt ggagacaagg tttcaccatg ttgccaggct
143881 tgtctccaac tcttgacctc aggtgatcca cccgcctcag cctcccaaag tgttgggatt
143941 acaggtgtga gccaccacac ccagccaaca aacaattttt ctgtcacaga gtttaattct
144001 atttgattcc tatcctgcca atgtggcaga aacataatct ctgttgattt aaaatttacc
144061 cacatcctga acctgggata ttgtcaaagt cccactgagc tctgggagat ggggtcttta
144121 ttgtcttttg tcacacaggt gtctagaaga tgccacctat tgctacttac tttgtgtctt
144181 acacaactgc agaccactat tcaaaggcta tatagtttgc tctcactgct gtaacaaatt
144241 atcacaaata taatggctta acacaacaca aacttatttc tcacagtttc tgtagaagtg
144301 caacatgggt cttaccaggt ggtggctgtg ctgggcttat agctggagac tctgggaaag
144361 aatcctcttc caagctcgtt caggttgctg gccagttca gttctttgtg ggtaaacttg
144421 ctagggtggca gctaggggtca cctcagctc cttaggttcc ttcttttggt cttgcacatc
144481 atccaggagg catcagatct ttctcacgct tgggaagatca tggactcggc cttctgcggc
144541 atctgactct tccgccttcc ttttctgctt gattacatcg ggcccactg gatgtgctgg
144601 gtgcgcctcc tattttaagg tcagcttatt agtaacctta attccactg caaagccct
144661 tcccagcaga acctaaattt gtgtttgatt gaccaaacag ggagaaggga gagtatcttt
144721 agagttttgc ctacagcaaa ggccactgtg tgagcacatc cctgaagggtg tgcagggcag
144781 ctgccatcac tcacctctca gccattcac tagacagatg cctgtcaag gtcattggtc
144841 ttttaaggct gaagggttgc tgccctact gggctgtct tgggaaagaa ctggttctgt
144901 tctgaacctat gctgggatag aacctctaga aggcaaggct ccgtctacct caacacacac
144961 acaagccatt tctctctctg ggtctcccag ggctctttct aggttgcagg aaacaggacg
145021 atctgcccc cttttccgac ctgtaccccc acctctgcac tgtcattgct tctctcttc
145081 cccacaccac caaggaaatc acctctcat caaacctccc atatgccaaa tttttggct
145141 agatctggag tctgttacac tctggagtgg ctttgggctt tttgaatccc aggtccagtc
145201 ctgctttctt gtctgtcaca ttccacagct gaggcaatga gccaggaagt cacctgcttg
145261 gaagttggag ggggacagg agttggagaa tggcaaagtg gggtaataac tgcaaacctg
145321 ttttctgccc actctcctga catgctctgt tctttaaact gcccttggca cctggctcat
145381 cacaggccgc atccttagca actaagtgg aagaaatggg gctctttggc cagcaatgtc
145441 ttccgcctat gggctatacc tgcaggtgcc ggggtaggag gactgcgggc agctctgaag
145501 cctccacttt tcttatggg tttttgttc actctccagg gctaatcca gatgtacct
145561 cccctgtgag gcttctccaa ccttcagat agatgtgat actccctccc ctgagcccca
145621 gaacactttg tccaatttcc tgcacctct gagagcgtgg cacaggcccc ctccactgtg
145681 taacaactca cagccctccc ctgcacaga agccaccccc ctctctcgg ggtgcctctt
145741 cttctagtc atagtgtctt cctcagtag tctatccctc tggggactct gaatatcttc
145801 cttccccct cagcaatccc tagcacactt gcagctgtga gggctgcacc tgaggacaga
145861 gcaggggcgg gaaccccagt cttagaggct gttgtcatca aagttcaaat ggaagatcct
145921 ctgagaagga tctgcaggga gaccaattgc caccctagg gaaggccggg cttctgtggt
145981 atctcaagcc ctgggaccta gaggcagctt ccgtaggga gcagccagaa ggcccttccc
146041 ctacccctc accacccaga gaggcctccc tgggatgccc tcccctgaac cctagagctt
146101 catggggatt gctatgtttg cactgtgatg tcatttcaag gtcattggtga tatgcgtac
146161 agctgagcaa gattgttccc agcatcagat tggaaagttga aagaaaggct aagtcacaag
146221 aacccaagag ctgggtgaat gcacagctgt gccctaggcc caccagcaag gaccacattt
146281 attaggctca gctcccaaca caaacggtgc cagaaagtct aagagaagaa ggggaacaga
146341 ggaaggagg gaaagtctt taaatcaaca tggtttcatt gagcttctgc accatgcagg
146401 ggctgtggg attgagaagg agaataaat cctagtcctt gctctcagga agcttatcat
146461 ctgtgtagag cccaagagt agcagctggg tgaacaagaa gtgggtgcaag ggggaagagt
146521 taccacagat ggtataacag tttgtcagg ctgcctgaaa caacagaaag ttactgtctt
146581 tacagttctg gagaactggc ctaggaaatc aagatggcgg cagagctggt tcttctgag
146641 ggttgtgagg ggtctgtctc aggcctccct cggttgtgg atgtccatct tctccctgtg
146701 tctctttaca tcatcttccc tctatgcag tctgtctttt cggccacata tccccctttt
146761 aaggacacca gtcatatcgg atgagggccc atcctaata cctcatttta acttttttac

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FIGURE 3 (continued)

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146821 ctctataatg accctgtttt caaatataat cacactctga catactaggg gttagggtt
146881 gacatggttt ggctgtgtcc tcacccaaat ttcactctga gttgtagctc ctgtaattcc
146941 cacatgtcat gggaggaacc cagtgggagg ttgttgaatc aggggtgggtg agtccttcct
147001 gtgctgttct cgtgatagtg aataaatctc atgagatccg atgggttttat aaatgggagt
147061 tccccgtcac acattttctg tcttgccctgc tgccatgtaa gacgttcctt tcaccttcca
147121 ccaagattgt gaggcctccc cagccacgtg gaactgtgag tccattaaac ctctttttct
147181 ttataagtaa cctagtctgg ggtatgtctt tatcagcagt gtgaaaatga actaatacag
147241 ggctccaaca tacctttttt agagggacac aattcaaccc acaacagtgg ctttggggag
147301 aaaggaagac ttgaaagagg agaatttcct cattcatcta tctatctatc tatttatcta
147361 tctatctatc tatttattta tttttgagat ggagtcttac tcttgcgcc agactggagt
147421 gcatgggtgc catctcgact tactgcaacc tccacctcct gggttcaagt gattctccta
147481 cctcagcctc ccaagtagct gggattacag gcacccacca ccaggccggc taatttttgt
147541 atttttagta gagacagggt tttaccatgt tgccagggt ggcttgaac tectgacctc
147601 aggtgatccg cccacctctg cctcccaaag tgctgggatt acaggtatga gccaccacac
147661 cgggccagaa ttctctcatc taaaagggca ggttcccagg cagaggtaaa cactgggagg
147721 ttttatactt tgtgattact gaataattcc tcaaggatgt ttttctagat ttgaggaaca
147781 tcttcaggga cagaagatgc cacattgggc agggcttctt catgcaggcc ccaaccacag
147841 gggcaacaga atcctgggtc ctgggagact gtgccagcc atgagcatca gctgaagcca
147901 caacctcaaa cattcctacc aaaagggaag ctagctgctg ggatccacat gagggcaaag
147961 tggagatgaa ttcagagggc aagaagcagc cagtagggca agagggagag aggaccttc
148021 ttcttgacct accccacaca tacaatggac taaatatttg tgtccctta aaattcatga
148081 gttgaaatcc taaaccccaa agttagggca taaggagggtg ggaattttga agggtaattc
148141 agtcatgagg gcagagccgt catgattagg atttagtgac cacagagagc tagctaccc
148201 actctaccat gataggacac agcaagaagg ttccatctat gaaccagaaa ctgggcctgg
148261 ccagacactg aatcttctctg caccttgatc ttggacttcc cagactccag aactgtgaga
148321 aataaatttc tgttgtttct aagacaccag tgtatggtat tttgtttta gcagcccaga
148381 cagactaaga caacacacaa acaggaaaaa tcagatacct cctgctgcct agctagatgg
148441 cttaagagtc caggacatag acagaggtag gggcaagaag gctgctgggc ctgggcttta
148501 cgttcaagaa aggactttta gacttttgat gttatttcca actgatgttt gttatgggcc
148561 aagttgtgtc cctccaaaat tcatatgttg aagtcctaac ccccagcaac tcagaatctg
148621 actgaatttg gaggataggg ttaagacgtc agtcagttaa aaagaggttg tgagggtagg
148681 tcttaattcca ataagggtgt ctctataaga agaggaaaat tggcacagac acacacagag
148741 agaagaccac atgaacacac aaggagaaga tggcatctgc aagccaagga gacaggcctc
148801 agaaaccaac cctgccaaca ccttgatccc tgacttccag cctccaggac tgcaagacaa
148861 taaatgtctg tttaagccac tggctctgca gtagtgtgt atggcagccc tagcaaaacta
148921 gtataaagtt ctatccatat gccctggga tgtgtttcta agcattcatt tttaaaatgt
148981 aacatttctt aaaaatatac tgtaacattt taacttgttt tggcatttct gctttttttt
149041 tttttcatgg gacagtcttg ctgcctgcgc caggctggag tgcggtggca caatcttggc
149101 tctctgcctc cggggttcaa gcgattctcc tgccctaagcc tcttgagtag tggggattac
149161 aggcgtgcac caccaggccc ggctaattta tatatatata tatattttta gcagagacag
149221 gtttttacca tgttggccag gctggtcttg aactcctgcc ctcaagtgat ccacctgctt
149281 tggcctccca aagtactggg attacaggca tgagccactg ggcttggtg gcatttctgc
149341 atttttaata ccttgggaac aaccaccacc cctcaaaatg acagtggctc atctttgtca
149401 attatacctt aataaagctg gaggaaaaat aataaaatgg actacaaaag aagaagaaga
149461 agaagaagaa gaaaagaaaa gaaagttagc caagttctct gtacctcca gatgcccag
149521 tgaagggcct cagctgtgat gagaaaaccc agcagcccaa ttcttgcaa ctctcctggg
149581 atctggaatg atgggtgtgc tgggcacagc ctctctatct ggcccgagag ccagctggca
149641 ccattggagt gaggagaggg ctctgagctt tcccagtagg ctggcaacct cccaggctcc
149701 ctccccagc cctataaaaa ccatctggaa aatgaaaata atacctctg ctctctacca
149761 agctccaggg accctgtgag gaacagggag atactatccc cataccccc acattcctgg
149821 aggaggttgc cctggaataa gctattgccc cgcctcttcc accccaagtg gcagaaacga
149881 gggccactca gtgetctgtc cagctgctct tgettccct caggagccac ttctgcttcc

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FIGURE 3 (continued)

149941	atcccacctg	attggagtg	gcttcccaca	ggcccccgct	ccgcagctcc	tcagtgtctt
150001	cctcctcctc	cctgctcccc	cgagcccagc	ccagtctgag	gtccatcccc	ctgtgagggg
150061	agctgagcag	tgctgcaaac	tcagtgtctc	tgagtaccct	ggggatttgc	tgaactgcac
150121	attctcattc	tgtaaaccgg	agctgagcct	ctgcacgtct	aacctgctcc	ctggcaatgc
150181	tgctgttact	gagcagagtg	gaaaagtgt	agacaataca	ttggggggaa	atttcagtct
150241	caaatgcatt	ggagcagaaa	ccagaactcc	ctgtcaagct	gctctgtggg	tttttgaagc
150301	gaagtgtgtt	gctcttcact	ggctgctctg	agctgctcag	agcgggggac	agaagctggg
150361	tctacccgag	catctgtcca	gccacatccc	ctcactcttc	aggggtggc	tgggcacaca
150421	gccccagagt	caaggtggca	tttagctggg	ccttcagtcc	ggcaccagca	agtgtctttt
150481	aaacttgggg	ccttggagtc	cataggtggg	cacagctcaa	tttggggatg	tacctgagaa
150541	aaatgcttcc	cagatgggct	tctctgcccc	atccctctct	ccaccggggc	tgggccagacc
150601	ccagggtgaa	ttgttcta	tcttgcact	ttttcctggc	agggctctcc	ggctcatgaa
150661	atctgcctct	tgccaaaggc	agaggatcca	ctggcagcag	ggagcactgg	ctgcagtcag
150721	gcaggtgcaa	tcatttttta	atgacatctt	ttccccctta	tcaaaattgt	gcaattcact
150781	ttagaatatt	tagaaaatat	tggaataatg	aaagaaggaa	gtaatcctgc	aatcctacaa
150841	ctcagaaatg	atgtttcagc	actttggaaa	atctccttcc	aatctttcac	atgcacaggt
150901	gtgggtctgta	tacggcactg	gagatcccca	gcaccaaaaa	gttaacactg	taggaaaaat
150961	atttatccat	gtcagttatt	ctttgaaagt	atgatgtagg	ggaaaaaaaa	ggggggatca
151021	gactgttact	gtgttgtaac	cgagcgagtt	atacagaaac	gccacactct	gagacgaatt
151081	gaggagtcc	ttattagcca	gcgaccgaga	gacggctagt	gctcaaaatt	ctctcgcccc
151141	tgaagaagg	gctagatttt	gttttatact	ttggtttaga	gaggggaggg	ggagcctagc
151201	tgtagcagtc	ttacagaagt	aaaacaggca	aaagaagtta	aaaagacaaa	tggttacagg
151261	aaagcaaaaa	gttccagggt	caggggcttt	aaatccatca	caaggtgata	gacgctgggc
151321	tttgggtgct	atcaaccaga	caaaaacaca	ggggcttagg	gtaatatcaa	ctggacaaat
151381	tcctgggaac	tgccggacata	gcttgccaca	gcattgttat	agttaattgc	attctttgat
151441	gtgctgggag	tcagcttgca	caagttaatt	ccttgaggaa	gggggtgggt	aaggagccct
151501	tgatgtcttg	caaatgaagg	agccaaatgg	agtcctgtca	ggtttctcag	ctaagagaga
151561	gtcaatcagg	ttaatacaag	ttagggtatc	acaagtgtgt	ctatttagaa	aaggaagact
151621	taagaaatc	cattttgatc	tgtacctga	acaatggttt	tgctttgaga	tgctgtta
151681	ctgtaacttt	tctccagcct	tggtctcaca	gaaacatgtg	ttgtatggaa	ttaaggttta
151741	agggatctag	ggctgtgcag	gatgtgcctt	gttaacaata	tgtttacagg	cagtatgctt
151801	ggtaaaagtc	atcgccattc	tccattctcg	attaaccagg	ggcaccgatg	actgcggaaa
151861	gccgcaggga	cctctgcccc	ggaaaaccgg	gtattgtcca	aagtctctcc	ccactgagac
151921	agcctgagat	atgtcctcat	gggatgggaa	agacctgacc	gtcccccagc	ccgacaccgc
151981	tgaagggtct	gtgctgagga	gaattagtaa	aagaggaagg	cctctgtctc	ataccgaacg
152041	gaatgtctcg	gtataaaacc	cgattgtaga	aaaccacact	ggcaggaggc	gagatatgct
152101	ggcggcaatt	attctttatt	ctgttattct	ttactacact	gagatgtttg	ggtggagaga
152161	agtataaatc	tggcctacgt	gcacatccag	gcatagtacc	ttcccttgaa	cttatttgtg
152221	acacacattc	ctttgctcac	gttttcttgc	tgaccttctc	cccactatca	ccctgttctc
152281	ctgccgcttc	ctcttgctga	gatagtga	atagtaatca	ataaatactg	agggaaactca
152341	gagaccgggt	ctgggtgcagg	tcttcctgat	gctgagcgcc	agtctgctgg	gcccactggt
152401	ctttctctat	actttgtctc	tgtgtcttcc	ttcttttctc	agtctctcgt	cccactgtac
152461	gagaaatacc	cacagggtgt	gaggggcaaa	ccacccttcc	atgtgatgtt	taggcggggg
152521	gcaatagccc	gcgcctgtaa	tcccagcact	ttgggaggcc	gaggtaggag	gttcaactga
152581	accaggaggt	tcaagaccag	cctgggcaac	ataatgagac	ctcatttcta	aaaaataaat
152641	aaataaataa	aaattgtttt	aattagctgg	gcattggtgt	gcacacctgt	agtcacaggt
152701	gctcgagagg	ctgaggtggg	agaatcagtt	cagcccagga	gttcaaggct	gcagtgaact
152761	gtgatcgcac	cactgcactc	cagcctggac	aataaagtga	gaccgtgtct	caaaaatagt
152821	atgatttttt	taatagctgc	ataatagtct	cccctatgga	tatttttatt	gtttacttaa
152881	tgcttgccct	atttggggcc	attgaagtgt	tttaattctt	tttccaatat	aaataatttt
152941	attctggcca	tgttttttatt	gaaatctcta	accctataat	ctcttttttt	ccttagaata
153001	ggtttccagg	attgggatat	tggaaacaaa	ggttaaatat	tcttaaagtt	cctgatagat

FIGURE 3 (continued)

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153061 gttgttgaat tgtttccaga aagcttcaac aaattcatcc cctctagcca tagtgccctgt
153121 ttcaagaaat gatcagcatt gtccattatc ttcttttatt ttttcccaat ttggtaggta
153181 aaactagtat cattttctagt ctgcattctg cttgactctc gtgtggctga acattttttt
153241 ctgagtggca tagccattca tgtttcttct gtgacgggtc tggacacatc ctcagtgtctc
153301 tcatttttcag gagagcaagg atggggaacg aggggatatg cattgtatta gtttgttttc
153361 atgctgctga taaagacata ccagagactg ggaagaaaaa gaggtttaat tggacttaca
153421 gttccacatg gctggggagg cctcagaatc atggcaggag gtgaaaggca cttcttacat
153481 ggcagcagca agagaaaaag agggagaagc aaaagcagaa aacctgata aacctatcag
153541 ctctcatgag acttattcac tatcacaaga atagcacgag aaagaccggc ccccatgatt
153601 caattacctc accctggccc cctcccacaa catgtgggaa ttctgggaga tacaattcaa
153661 gtggagattt ggggtggggac acagccaaac tatatcatgc atcaccacct gatggcacc
153721 acccataacc tctgccatgc tgtgtgcccc cccaccatg cctgtgggcg aggtcccca
153781 ggccctggtc ctttgcctgc agactctggg tacttccatt cacactccca tctctgggtg
153841 tctcaagat aacctgatgt tcccaggatc cttccctcaa ttaacaatga cctgccctag
153901 cccattttct tcagcaccgt ctccatgcta agttacaagg agtgggcccc aacaaacaac
153961 tgaaagctaa acgtcttcac ctaacaaaaa tgttggccgt ctgtattagt ctgttttcat
154021 actgctataa agactacctg agactgggta atttataaag aaaggagggt taattgactc
154081 acagttctgc atggctgggg aggcctcagg aaacttaca tcatggcaga aagtgaagg
154141 gaagcaaggc acatcttaca aggcagcaga agagaaagag catgtagaag aaactgccac
154201 tcttaaatca tcagatcacg gctgggtgca gtggctcaca cctataatcc cagcactttg
154261 ggaggttgag gcaggcagat cacttgagggt caggagtctg agaccagct ggccaacatg
154321 gtaaaacccc atcaccacta aaaatacaaa aattagctca ccatgggtggc acatgcctgt
154381 aacccagct acttgggagg ctgaggcaag agaatcgctt gacatctggg aggtggagggt
154441 tgcagtgagc caagatcatg ccactgtact ccagcctggg caacagagtg ggactccatc
154501 tcaaaaaaaaa aaaaaaaaaa ggtcagatct tgtgagaact cctcaccat cacaagaaca
154561 gcattgggga aaccgccttc atgatccaat cactcccacc aggtccctcc cacaacatgg
154621 ggggattaca atttgagatg agatttgggt ggggacacag ggccaaacca tatcaccacc
154681 cacaaaagct ttttgacaaa taactctgac taggaattgt aagaaatgtt tttaaatgag
154741 taaggtggaa gcaaacatta ttcccatttt atagacaaga aatgtgtgtc tctggatctg
154801 tgacactcca taaaccaggg aaaaggcaga gacaatgact gattttctgc cgcccaatcc
154861 agttgcccac cctcctggc tcaatggcag gacttccctg tttttgatta gggaaagtgg
154921 agcccccacc tccctacatg caactgttac acaccagtg tcccagaaat gacattcaac
154981 ttcactatag cgactgcttt tactgacatc atttttagca gacgttttac tataaaaatg
155041 ggtggggaga aataaagcag ataaactgct gccaggacc atcactgcta ggggtgaaact
155101 gggggcacac ggtatagctc aaatgcaccc caggctccag ccaagccttg ctcaaaaccc
155161 acccaggaac cagacctatc atccaagggt gtctctccaa tgaccttagc aggttcagaa
155221 taacctctca atattctct tttactgtag ttgcttatta tgaacccacc aactattaat
155281 tcaatctttt ttgaattctc agttttcagt atatttctct tcaggctgtg gtacatatca
155341 caacatatag taattatttg ctattttctg cttccctgtc tagactttga gtaagttgag
155401 ggtagaattt gttctatttc ataactctag aatttgacaa atagcaggta ttcttaacca
155461 taattttgtt gaaggaagga atcaatgaat aaaaatttcc tgagtttact gtttactgca
155521 aaaagactgt atgctgtttt acgttttctt cttttaagggt ctaacatcaa tatgttgatg
155581 tttggtaaat ataatttcaa tcccagttgc atctctgagt ccaggcaaga gtactacaaa
155641 aagtataaat agaggtcaag tgcagttgcc ctctgcaagc aagaccactt agaactcttc
155701 aatggctctt tgacaaacct tcagtgggat ttctgtcaaa gctgacaatg gataaaaatta
155761 tagaaaggag ggaaagcctt gataaggagt ccttaatgag ttcgtcacta agttaattca
155821 acattgaaag ggatagaaga tgttaattcc acacacacgt gaaagaaatc aacaatcagg
155881 cctcatctga gagaaccatg atggggaagg ctggggctga tggatgagggt gtgtgaggca
155941 gggcagaaag cctccacgtt gctgcagcaa tgcaaaaata ggcaccttgc cgtaggcctc
156001 tctggcactc catcttgtct ctcttccctg gagaaaaggc aagctgtatt caatcatctt
156061 ttcaatgcta aaaccaggct ttctgtcgg agttggggcc agagatgttt ccatccctc
156121 ttgcaaaaag ggtattctta agaggcctta agtcttcagc attgatagtt tctgggaaca

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FIGURE 3 (continued)

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156181 aaatagaaat caaaatctca ccttgtgttc ccttctcttt cctggacaga gaatgggaca
156241 ggcccaggcc atccagatca ctatgaacct tatcagaaac ttcagtccat tttctccgtt
156301 cccttccctg ggacttgcat gctataatct ccatacccct ccttccccac tctccagget
156361 tagtgggtga ggcagagagt gagagccagg cttacctgcc ttttctcttc agtgggaaga
156421 agctcagtaa ctgagctcag acgctagtgg catacctacc aagaggatga cataaatgcc
156481 tcctgtggcc ctgagatagg cagagctctg ctggcagccc aaccatatgt tcaactgttc
156541 attaacaaac atccacagag gcaggetgct ctggcctgga gggggatgtc ctacactaga
156601 cgactcaggt tcatagagcc aggcctcatt ccacccccac tggctcaagt gactttcttg
156661 tgaccagaaa ctggagagct cttttttttt tttttagacg gggctctgct ctctcgccca
156721 ggetggagta tactgacaca atctcggtc actgcaacct ctgactccca ggttcaactg
156781 attctcctgc ctacgcctcc caagtagctg ggattacagg cgagtgcac caggcccatc
156841 taattttttg tgttttttag tagagacggg gtttcgccat gttggccagg ctggtctcaa
156901 actcccgatc tcaggcgatc cgcccgctc agcctcccaa agtctgggga ttacagggtg
156961 gageccaccat gcctggccca gagctcttaa ctacaatgac tatatgcaga agaacaaact
157021 aacacggaag atggctagga actgcgtaag ccaagactct gcagtaagac acacttgagt
157081 tctggtcttc actctgcctt ttactcacag tccaactgca gatgggacct cacctctctg
157141 agcctcagtt tcctcatttg taaaataggc aaatattggc acctacctca tagaattagt
157201 gcgaggttta actgaggtga tctaggcaaa gcacttagct tggtagctag cacatattaa
157261 gtgctcaata ataggtgatg gtgatgatgt aagttggaca caagagaaaa ggacacatac
157321 taactgataa tcacacagag ccactgactg gatttgggat ctttctctga cattcagctt
157381 ttcttaccat ctgtcagcat gccacactcc ttcagccttg aattatatgc tgccttgttg
157441 ttttgctctt ataaaaaaaa tagaatgtac tagtcttctt gtggetactg aaaaaaaaaa
157501 aaaaaaagac cacaaccag tgattttaca cacagaaagt tactctctca cagtcttgaa
157561 gaccagaagt ctgaaagtac tatgttgtca gggctgtgct cctccaaaag gatctagggg
157621 gtgatctatt acttacttct tccagctttg ggtggctgtc agcatgcctt ggcttgtagc
157681 tgcaccactc caatttctac ctagtcttct tatcatctca tctgtgtctg ttttctcttc
157741 agtgtgtctc ttataaaaaa acttgtcatg ccagacatgg tggctcatgc ctgtaatccc
157801 agcatgttgg gaggcgagg tgggcagatc acttgaggtc aggggtttga gaccagcctg
157861 gtcaacatgg tgaaacccca tctctactaa aaatacaaaa attagccagg cgtggtggcg
157921 ggctcctgta attgcagcta ctcaggaggt ggaggcaaga gaattgcttg aaactgggag
157981 gcgaggttg caatgaaact agatcacacc attgcactcc agcctgggtg acagagcaag
158041 actccacctc aaaaaaaaaa taataataat aacttggcta atccagggtg atctctcaa
158101 atcaagatcc ctaatttcat tacgtctgca aagttaacat ttacagttct ggaaattagg
158161 atgtagacgt ctttttgagg accatctatc ttagactgtt caggcaacta taacaaaata
158221 ccagatgctg ggtagcttac aaacaacaaa catttatttc tcacagttct ggaggcttgg
158281 aagtccaaga tcaaggcact ggaagctgta gtgtctgggt aggtctttta actatgtcct
158341 cattgcggaa ggggccagg atctctcttc cttttataag gcttctagtc tctttttttt
158401 ctttctttct tttgagacag ggtctcactc tgtccccag gatggagtac agtggcacaa
158461 ttttggetag ctgaaacctc tgcctcccag gctcaagtga tctctccacc tcagectccc
158521 gagtagctgg gactacaggc gcatgccacc atgtccagct aatttttttt tttttttttt
158581 tttgtagaga tgggggtttg ccatgttgac aaggctgcca ggctggtctc gcaactcctg
158641 cctcaagcaa tccaccacc tcggcctccc aaagtgttgg cattataggt atgagccact
158701 gacccagctc tcattcatga aggttctatc ttcatgaact aatcatctcc caaataacct
158761 caccctgggg gctgggattt cagcatataa attttgggga gatataaata ttcagtccat
158821 tacaccaaca tttggteccac tacttggagt acctaagaac atggacttta gaagtagact
158881 gacctggatt ccaataccag cccaccatc actcactagt tggatgacct tgattcagtt
158941 atttaatatc tttgaacctc agcttctgga aaagggccaa taatgccaat aatgctatgt
159001 cccgggggtt tttgaaagaa ttaaataagc taatatgtta aaagtactgg ataattggta
159061 gctctcatta ctagtggtag gtttacccca ctagtctaca agctcttaag agctggagtt
159121 atctctgctt ccttcacaag tctagcacia gtctgcaaac agtctatcct tagtgaagg
159181 ggggtgacaa actggctgaa ccagtggcct agacagcaa tatcaccaat tatgtaagat
159241 tccacaggga tctaaaggag cgaattagag gcaccaata gtgaccccaa tctaagcagt

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FIGURE 3 (continued)

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159301 gcagggatca gctgggtggg tttgtcagca gagaacaggg ccaccagggc aggcacatag
159361 aactaactgc actcactgca ctgttggttaa ctattctttg aatccctcca catgacgcc
159421 ttcctacaga tggaagggtca gctacactgg agaagttcca gaaattcata aatagattat
159481 gatcccaaat cccagagagg aggaacttttc cagatggcaa ctgggaattt accttaatga
159541 tttcccatc ccagaaggga aagctgttct ggtatattac aaacattaca gcacatctga
159601 ataaccaga gagcttgttt aaatgcacat ttttgggcct ctaccaggct ggtaaaca
159661 agcttcaaca gagtggggat aggaaccaac cattttaaat aacccctttt ggtaattctg
159721 gttcaaccat agcaatcaaa ttatagtcca acctaggtag gggcttgcta cctaggagtc
159781 aatatgtaat actggaaaga gtaagagttt ggaaactaaa cagaaatagg gtccaatcct
159841 gggctgctcca cataatagct gtgggacctt gggcaagtta cttcattttt ttggatctca
159901 acctctctct ctataaaggg ggggctatac ctgtcagggt agtgggtgta attcaatgat
159961 aattatgtaa agtgctgct catagtagat tgaagcagag actgctacta ttcaccaatc
160021 catttcttct tcttggtcat acacaactag actatatttc ccagcaccct ttgcagccag
160081 gcacggccac actagttctc accaagggga tatggttcta agttatagta cctattcttg
160141 gcaaaggctt aaggaacaga tatgctctct ccaggttttc ttttgtctta catcattgg
160201 atgcagggtga caggttctag ggaactgggg atctacaaca tggaggagc ctgtatgct
160261 gagttactag gtaggggaaa gctatccatc aactagaatg cctgccttgg actcttctgc
160321 aaacgagaaa taagctcata taccatatta gggtataata tagttgcttt aaagaaatac
160381 ccattggccag gcgtgggggc ttacacctcc cagcactttg ggaggctgag gcaggaggat
160441 cacttgaggc caggagtttg agaccagcct ggccaacatg gtgaaacccc atctctactg
160501 aaaatacaaa aaattagcca ggtgtggggg caggcgcttg taatcccagc tattcgggtg
160561 gctgaggcac aagaatcgct tgaacccagg aggcagaggt tgcgtgagcc gagtttcagg
160621 ctgcactcca gctgggggga cagagtgaga ctctgtctca aaaaaagaaa agaaatacct
160681 gcattgctat aaagaaatac ctgagacttt aatttataaa gaaaggagtt ttggaggctt
160741 tttctttttt ttgagacaga atttcgctct tgttgccag gctggagtgc aatggcgcca
160801 tcttgactca ctgcaacctc cgctcccag gttccagtga ttctctgce tcagctcct
160861 gagtagctgg gactatagga atgtgccacc acacctggct aattttatat ttttagtaga
160921 gatgggggtt ctccatgttg gtcaggctgg tccgaactc ccaacctcag gtgactcggc
160981 cactttggcc tcccaaagta ctgggattac aggcattgagc caacgcaccc agccaagaaa
161041 ggagtttggt tgtttgctg tttttccaag aaaggagttt taactggctc atgattctac
161101 aggtgcaca agcaagggtg tggcatctgc tcagtttctg ggggtggcta agggagcttt
161161 tacttaagc cagagcaagc atctcacatg gcagagtaga atcaagagtg agagtgtgtg
161221 tgggtgtgag gaatctcagg atgacctccc tgagattgct gtcccctagt tattcacaaa
161281 aactcactga ctatcacaa gtcagcatca aggcgtgagg catccacccc catgacccaa
161341 acgccaggcc ccacctcaa cactgaggat tacatctcga catgagattt ggaggggcca
161401 tctaaactat atcatacact tttgggatct attttacaac taacctatag tcagtgtgtt
161461 aatccatttt gcattgctat taagaaatac ctgagactgg gtaattttatt ttaaaaagag
161521 gtttattttt ctttatggtt ctgcaggctg tacaacctg gcaccagcat ctgcttctgg
161581 tgaggactca agaaactacc aatcatggca gaagcaggtg tgtcacatgg cgacagagag
161641 agaaagagag ggggaggaga tgccaggctc ttttaacaa ctagctctca tgtgaactta
161701 atagagttag aaccactca ttacctggg gagggcacaa aaccattcat gagggatctg
161761 cccccacgac ccagacacct cccaccaggg cccatcttca accctgggaa tcacatttca
161821 acctgagatt tggaggggac acacatccaa accatatcag tcaggaaatg ttcacccct
161881 ttctccacct ccaaataaca attacacagt acccagcatc tgtgcaaaca ttttattcta
161941 ttcacaatc tcatatggtg taaattgcaa tctctctgta gtaggacaaa ttctagggat
162001 gacctctgta ttagtcaggc ttctctagag ggacagaact aatagtatat atatatatat
162061 aatatgagtt tattaaatat tagctcacac gatcacaacg tcccacaata ggccatctgc
162121 aggcgatct gatgtccaat gtttgagggc aggaagcatc cagcacggga gaaagatgta
162181 gagtgggagg ctagacccat ctttcttttc acatttttct gctgcttat attctagcag
162241 tgctggcagc tgattagact gtgcccaccc agattaagag tgggtctgcc tttccagcc
162301 cactgactca aatgttaatc ctttttgga ataccctcac agacacaccc aagatcaatc
162361 ctttcaatcc aatcaagttg acactcagta ttaaccatca taacctcct gagaaacaca

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FIGURE 3 (continued)

162421	aatctaggta	ctcctgtgaa	gggattctgc	aaatgtaatt	aaagtttcaa	gtcagtcac
162481	cttaaaatac	agagatgac	tgggtgatcc	tgatctaata	acaagagccc	tttacacaac
162541	agaaggggaa	ttcggagaga	tttgaagtat	gaggaagact	caagtgccat	tgctgcttga
162601	agatggcagc	accacgtgag	aaggaatacc	tcaaggaact	gaaagtggcc	cttgccatac
162661	agtcagcaag	gaaagaggaa	cctcagacct	acagctgtaa	ggaactggat	tcagccaata
162721	attggaatga	acttggaagc	agatttttct	cagtgcctcc	aggtaaaagc	tctgcaacca
162781	ataccttgat	ttccagccct	gtgctattcc	tgagcataga	aatcaggcaa	gcctgcctgg
162841	acttctgact	acagaactgt	ccactaataa	atztatgttg	ttaaatttgt	ggtgatttgt
162901	cacagcagca	ataaaaaaac	taatacatcc	tcttaatctg	ttttgtcatc	aatttttctt
162961	tgagacggag	tctcactctc	tttcccagcc	tggagtgcag	tgggtgtgatc	atagcccatt
163021	gtaacctcaa	aatcgtgggc	tcaagcagtt	ctcccacctc	aatctctcga	gtagctagga
163081	ctacaggcac	atgccaccat	acttggetga	tttttttaaa	aaaattattt	tttatgtaga
163141	gatggggctc	cactatgttg	cccaggetgg	tctcaaactc	ctggcttgaa	gagatccttc
163201	tatctcagct	gggaggatcc	caggatccca	aagcgtctgg	attacaggcg	tgagcctcca
163261	tgcctagctt	cctcacttat	tttttattaa	taaaaagtga	catggggaga	tggtggaagt
163321	tgagtgatg	atatctgagt	atgctcttag	ctttacattt	gctcagttcc	ttgtgctgag
163381	ttgtctgtta	gggagcttcc	tgcctttata	gtgagaatgt	gacatagtct	gggcatcagc
163441	tgcagctctt	tgaacagaga	tgatccagct	ccccatctca	ccagccccc	aatccaaaac
163501	ttaaaagcgg	agctgctgtc	aaggaaaaca	aagttaagca	aaatgacttc	aaagcccaat
163561	gtgctcacct	tactctccc	agtgggtcct	tgcacctgag	aacgtgcagg	gtccatcagt
163621	attgacctcc	cctttccacc	agccctggaa	gttatggaag	gggaaggtag	cttattctga
163681	tatcgtgtcc	tgtaataatg	cttcctggcc	tggcacatat	atccttgttt	ctgtgcctct
163741	tgttctaaaa	catcctccct	ttccgaaagc	tgaactgtt	cctgcacaca	ttatgcactt
163801	aaccaggtaa	atttcagaag	attttaaaaa	gtttcccagt	gaaggaaagga	gagagaggta
163861	ttgtcctgag	atactgaata	tgcgatggc	cagactagat	atcaaaatag	aacctgacc
163921	cacaatctgt	ggcaactagc	ctgggaagcc	aacatattat	ctgcagtaac	caatccagga
163981	agcaaagcaa	taacccccct	agcaatggac	cccaaattgg	caggactcga	ttaataaact
164041	gacagctccc	ataatttttg	cccctacctc	caactttgga	ctaaccagag	aaagccaaat
164101	gggcaccccc	aaccaatcac	atagctatgc	gcacttctag	ctggcccaact	tgcagcttcc
164161	ccgtgccaac	agtctcaggg	cagccccaaa	gtgttccctt	ttttctacca	caaggctttt
164221	ccacacctct	gcctgccttt	aagtgtctgc	caaacacaag	tgatggtggc	tgactacctt
164281	gcaacctctc	tatagtaggc	tttgtttgtt	cttatttggg	tggctctcat	ttattttccac
164341	agtccttggt	tttcagggag	atthagggct	taaatacaag	gaaatttcat	gtaaggatgc
164401	aggagtgttt	catggaacct	caagctcagg	aaagctgcac	agccatggga	agacctaga
164461	gccggagtct	ggaaaagcaa	tccgagcttg	gatcttagaa	atcttgtctt	cttgcaaaac
164521	gggttctctg	gtccaaatgg	ccaaaaacat	gacatggac	agggcctgtg	cttatctcgt
164581	cacctgcaga	gaggcaactc	tctgtacgtc	ctgattccaa	gttccctggg	aaggacacag
164641	actgaaccac	cttgggtcag	gcaccatcct	tgaccaattt	actaacagtg	cccaactccc
164701	acccagggtg	gggagttagt	gcaggtagtc	ttgtttatga	acatggcaat	cagaagccca
164761	tccctgtcac	tgtgtggagg	ggaggggaga	gaagagggat	ggttccaacc	aaaaaaggta
164821	gggggatgga	catcccaata	ggggtccact	ccattcctga	tggcacagtg	agacagtgtg
164881	catgtgtcac	gtgctagact	cttgactctg	tgcctcccag	tacctgctac	tgaccaacat
164941	ggtctagtga	gcgatttttc	ttgtgaaggc	atccatccat	tcattcatcc	atatagcaaa
165001	caattgtaca	tcacaacctt	atgctaggtg	ctaggtatac	aatgataaaa	caaacacaaa
165061	aaccaaacc	acaatctcta	ccctcaatgt	gaggagatac	caccacataa	acgaacaatt
165121	acaatactgt	gaaacatgtt	atgctcaatc	tatggcctaa	atcagatgag	aggctgggca
165181	gaggatcagg	ctgccaagaa	atgcttcta	gagggcatgc	tgcccgaaat	gaaccttgaa
165241	aatcagggag	cttgatagaa	atagggaag	agagagtgtt	tcaggcagaa	gcaaggttca
165301	ctgtcaagga	aaggcatttc	aggaaaccaa	aagtagtata	tgtttgacat	gagctatatt
165361	ggagtggag	tactgggagg	taggctagaa	aggggaacag	agactagata	tgaagggaact
165421	tgaagccgt	aagtatatga	agaaggcaat	gggctttcta	cacaggaatg	accttgaaga
165481	cttgatttgc	attattgaaa	gctcaccatg	gctggaatgg	attggggacg	tccgatgatg

FIGURE 3 (continued)

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165541 ggaaagactca gctgggcagt tgctgcatta actgtggagt tataatgggtg acctacgaga
165601 gcagcttttg atacggagaa gagcaaaactg gtttaagaaa cgatcatcacc tgggtcaaga
165661 aaaggacatg cagtgggttg ggtagggagg aaaatagatg taaataaagt tattagttga
165721 aaaagaaaag caagatcgag agagaaatta attctattgc catctattca tgagaatcac
165781 aaggctgaat caaaagcctt cctgcaaacc tagactcacg ctgggttcagt tcagagactc
165841 tatcagaaaag atgaggagct catgagtcac ccatcaatgt gatcttgtga tttttcttgt
165901 gaccacaaga caaaggaaga gaagagtact ttggagtcac tatgatgaaa attcagttga
165961 atacactgga aagtcaaaac gagaggagaa ggaggaaccg aaaatctgat tcagtcttga
166021 ccaccaagta gaattgggac agaaacaatt aagtaggcac agatccaatt tggattataa
166081 aaagctgggt catcaggaag gccactataa aaccagaagc aaacgaagag tcaattaagt
166141 acaaaagttt ttactatgac tatgcagtga ggtccaaact gtactaaatt tgaagttccc
166201 tgccaaagag aaatgtaagc ttccctgggt gtataagtc gaatttcacg acatcagcca
166261 gataaccaca aaagaatata tcttttagtg ctatagtgctt ctaagccttt ctccacccaa
166321 ctaaccaaca ttcaacttact gatttactta tttctttaac aaacacactc catttcatag
166381 ccacattctt tcaaagctga caggttgaga tatatctaaa acacaaaatc tccaacatac
166441 attttcttct tcaatggtgt gagatgtatt tttctaaaac actgttctgc acatactacc
166501 attccaatat taaaaacaag ttagtattcc actgcctttt ttgtacaaat gaaattcata
166561 aattttaatt tggttacaaa aaaatttttc atcaaaattt ttgcttattt gtttatataa
166621 aaatggagac aggtgtcac tatgttgccc aggtctggct caaactccta agctcaagtg
166681 atcttccac cttgacctcc caaagtgata ggattacagg catgcgatac caagcctggg
166741 ataatttaaa tttttaatta aaaattgtta atttgtctac aaaataaata tatactcatc
166801 atcaaaaact ttcaaagaag aagattaaaa tcaccataat tccaacaccc agacacaatc
166861 acaatcactt ctgtaagtta ggatatactg acagcctatg tgacagggaa aaaactaagt
166921 tgtaagaatt ttttaaaaac ctctatttcc ccattacagt agattttatt actcaaaata
166981 tttgctgccc caccctgggg aagataatac ttccccactt cattgcatca gccttagaga
167041 tgtggtttga ggtgtccctt cttgtgggag gattacatat tctcatctcc ttgacctcaa
167101 gagtggccat gagacttgct ttgaccaatg caatgataac agaagtgatg tgtgccactt
167161 cgaagcagaa gctctgattc atcatattgt tctactatgt tegtctcttc ttccatgaaa
167221 ccagcaatat cccaaataca gactgctggt ccaggatgg aaaacttaga gcaaagctac
167281 cggtagccca caatgtgagc aagaactgaa ctttagtcat tgtaagccac tgaggggtttt
167341 ggagttgctt gttaccacag cataacttag ccgacactga ctgataccac ctacctcaa
167401 aatgtcatct gagttttctt tatgtctgaa gagagccttt atgcattgaa ataaatactc
167461 cctttaattt caacttatat tttatatatt taaattatat gttttaaaac ttaattttga
167521 agactttaaa cttgtgttaa tttataaatc agttttgtta atattttatt atctactttt
167581 atttggtttt gatgaatgcc caactggctt gtaaaattga taagggtactc ccaaataattt
167641 atcaaaactt cagaattaaag ttttagacat ttcaaaactac aatctaattt taattgattt
167701 ctcaaggaaa aaaacaacaa agcagactca ctttctata ggcaaaatct taataaacac
167761 tgaaaacata ctgaacttaa aaagtttaac cttacaaatt taataaatta taaattttaa
167821 gatttaacaa tttaaacatt tgaacattat ttcaaaacta gttatcaaca tcttataaat
167881 ttttactaat attttgagtc taatgaatca gtctctttac ttaccttaaa aagcagaaaa
167941 atatacacia aatactataa tggttacaaa acttatttct agataaaatt tatgactaga
168001 cataacttag cttgtcttcc aaggggtctt gaaagtatgt ttgttttctg gcaataagaa
168061 gatattttcca gactcatctt gatatttctt gccgtaaaac atgcaatgaa tttttctcca
168121 gggagcccag tgccctcagg gtcttctggc tggaatgcag attagatgga ttggcaaagc
168181 agctgctggg gccacaaggg gaaaccagaa atccacagta atctttgacc tgacgtcctt
168241 gagctgctga accaacatcc caggttttta agtccctgtg gtccatttgt caaatgcaat
168301 tccttactga tataatgggt atacaaataa agaagcccag agaaagcact gcatatggaa
168361 aggaaaagatt gacctaaagg ggaagatctt gtggggaggg gaggcagtga agaaaagagg
168421 aggcaggaaa gggaactggg gagagagggg agatctggca gtttctgtga aagcaaatat
168481 gtaaggattt taagaaaagt ttgcctttat tccattgcca taatggggat tagaacagta
168541 acatccatag gatcattgtg agaattatgc caagcacaca ttaagtgttc aataaacatt
168601 ggctatcatt attattttat tatgctgggc ctccagaatg gattagagtt gcagactgga

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FIGURE 3 (continued)

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168661 acattataag gaaatccagg aagtcatttc attcttactc tttccctccc tctcctctct
168721 tccacaattg ctcctctgca cagctgtttt aatcctatat ctttctgcag attggctttc
168781 tttctatgtc tgtgatgctt aaaacagtc ctaacaacat ctttcaagtt tccaaactcc
168841 ttggttcaag acagcagcca tttcgaagaa atttccagaa agacactgat tgtccagctt
168901 agatggaaag tccactcttg gatcaattaa ctgaagctat gacaggagag ttgtatggaa
168961 aacacatggc tgctcctact agaaaacttc ccaaaatatg aaggagggaa aagcaggagg
169021 gaggtgccgc tgtgaagacg taatggtagg taaacatttg ggtacatttc ctttgggtcc
169081 atgtgcacac gagtacgttt atgcatgtgt gcataacttg gatagcactg tatataggtt
169141 ttgtttgttt gtttgattgt tttagagaca gggctctccc ctgtcactga ggctggagtg
169201 cagtgatgca atcatagctc actgcagcct ggaactcctc tgctgcactc aagggatctt
169261 cccacctcag ccttaagagc agctgggatt acaggtgtgc atcaccatgc ctggataagt
169321 tttaaaacaa tttttttgta gagacagggg ctcattatgt tgctcaggct ggtcttgaac
169381 tccctggcctc acgtgatcct cccaccccag cctcccaagt agctggaatt ataggcatga
169441 gccactgtgc ctggcaacag ctgtctaaat tattttttac aaggcatttc gaacacattc
169501 aataagatat ttttctacag cactgtattt attagctagg ttaacatttc catatataga
169561 tgttctaagt gaatttaaat ttttctattt attttgcttt tatgaactct atttgagtga
169621 tattcttgta actgaatagt tgaaactatt attaactcct tagggaaatt ccttaaatgt
169681 gaattgagag gtcagaaggt gtgtcatttt ttaacagttt tgatacattt tgctaaatgt
169741 gccaggcaat ttaagccaca cccccaccac aacatacaaa atgcagtctt cctcaatatc
169801 gtcttcagtg cttagttgaa aattaatcac catttgataa gtgaaacaaa atttccctaa
169861 ttactagtaa gattgaagga tagtttcatg tttttttgac caactgtttt tctattatat
169921 tcttattggg ttataagagc atttttagcc gacttggtgg ctcagtccca taatcccagc
169981 actttggggg gccaaaggtg gtggatcact tgaggtcagg agttcaagac cagcctggcc
170041 aacatgatga aaccccact ctaactaaaa tacaaaaact agccgggccc ggtggcaggc
170101 acctgtaatc ccagctactc gggaggctga ggcaggagaa tcaottgaac ccaggaggca
170161 gaggttgagc tgagccaaga tcgcgccact gcactccaac ctgggcaaca aagcgagatt
170221 ccattctcaa aaaaaaaag aaggcatttt aattactaaa tatattgctg gttgtggtgg
170281 cttgtgtctg tagtcccagc tacttggttg aggccaaag tttgagcctg ggcaatacaa
170341 cagggcccta tctgtaatta catcttccc gtttgcgta acctgatata aattgtttt
170401 aagttcagat actcaaatct cttctttcca gcacctatct ttatctttcc atatgcctag
170461 aaggatatca tccactatct acctaaagtat caccctttcc tatgtcccat tccctaaata
170521 gagtttagac atttcaattg gcatttaaaa gtccttcaca aggcactacg atgtcttggt
170581 tttcactact gccatccaca aatctttctt ttatccatcc atttgttcat ttattcattt
170641 gtcacctatt tactaagcac ctattatgta ccaggcatca ttctagacac tggggataca
170701 ggagtgaaca catccctacc cctaagggag cttgaatttt agtgccactg aagacaaact
170761 gaaaaggtaa gaaaatgtat atagttggct ggatggtgat aagtaactata gaaaacaata
170821 aagcagtaaa gtagggtagg aaattcaggg agagagtga atcttacata gaatagtcag
170881 ggagaacttc actgaaaatg taatacatat ttgaggaaga gtgtgaggat ggtgactgat
170941 atgggttggc tgtgtcccta cccaaatctc atcttgaact gtagctccca taattcccat
171001 gtgtcatggg ggggacctgg tgagaggtaa ctgaatcatg ggactgggtc tttcccatgc
171061 tgttctcata gtggtaaaata agtctcacga gatctgatgg ttttataaat ggtagacct
171121 acacactctc ttgcctgcca ccattgtaaga catgactttg ctcctcattc gccttcagct
171181 atgattctga ggcctcccca gccatgtgga gctgtgaatc aattaaacct ttttcattta
171241 taaattaccc agtcttgggt atgtctttat tagcagcgtg agaacagact gatacagtga
171301 cagaatgggc caagtgctat ccaagggaga agcattccag tatgggaaag agtgtgtgca
171361 gagagcctgc gggggagagg gggaaggagg agcatacctc ctggatttga acaccagcaa
171421 ggaagccagt aatgctggaa cagagtgggc aaagagggtg gttgaggcag ggatagggaa
171481 tgggtcatgc agggttttgt agaccactgt agagtctttg gcttttactt caaaggaaac
171541 gggaaagccat tttgaggggt tggtaaattg tgtttccaaa gatggcagca gaaatatctc
171601 acacctcaca tagtcttttg caatgtgatc ttgtcactgt cctaagaaga gatgggggtc
171661 ctttctttt tcttgaatt tgggctgagc ctaaaccaat cctgacgaac agaattcagt
171721 tctgtaacta gattctgtaa tactgtaaat tccagactgg gccttaggaa ctgttttaga

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FIGURE 3 (continued)

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171781 agccttcctt tcaccgcttg aaatgctcct tcttgggaacc cagaaggcat atggagaaag
171841 atacgtagaa gagaaccaag gccagccat ttgggcttag ttgagcattt ctgccagccc
171901 ctagctttca agccagccag ttgaagccgc ggacaccaga taacagagat gagccatggt
171961 caacatgctc tgcacaaatt tttcaccccc aaaccatgag caaataatag caattgttgt
172021 tttaaacat taagtttttag tgtgatttgt tactgatgac aaaagagaca aatagagatg
172081 aactaaatag cacggggccac aggggagtag gcacgagacc ccacagttac tttcctgaaa
172141 ttcctagacc cctcctgct tctgtaagga actccaggtc tgggttaatc acaaactgat
172201 gactattcca agaagcactg tactccttag ctaatcatct gttagcttat tctgtttaac
172261 taatgggtatt tctatatgaa catgctgaga ccacctgtgt gtatctctc atgttgttcc
172321 ttaaaatctg cttgtaacca ccccaacctg gagcacctcc tggacttggt atataagtgc
172381 ttcccagggt gcaatcctca aatttggccc aaataaaactc tttacctata tgcatttgcc
172441 ttagttcttt ttttttttat ttcaccatg cctggctaatt ttttaaattt tttgtagagt
172501 caagatctca ttatgttgct caggctggtc tcaaactctg gggatcaagt gatcctcta
172561 cctcggcctc ccaatgtgct gggattacag gtgtgagcca cctgacctgg ccttagttc
172621 tttctttcag attgacatta cacagcaata ggggactgga ataaaaattg gcaccagaac
172681 atgaaatact actggaatga aaacctaaag ccaattgcta catgtttggg accaagtaac
172741 acatagaaga ctgaagagca gtgagaaggc tgttggtgtc ttcacatggt ttgatatttg
172801 tccctcccaa atctcatgtt gaaatgtaat cctcagcgtt ggaggtgggg cctgggtggga
172861 ggtgtcatgg ttgcagatcc ctcatggctt ggtgctgtct tcgcaatagt aagttctcat
172921 gagatctggt tgtgtgtggc acctctccct acctgctcct cttcttgcca tgtgacgtgc
172981 ctgctcgcac ttcaccttcc acagtgagta aaagctcact gaggcctctc cagaagccga
173041 gcagatgcca gtaccaatgc ttatactgcc tgcagaacta tgagccaaat aaacccttt
173101 tctctataaa ttaccagtc ttgggtatto ctttagagca atgcaagaaa ggcctaacac
173161 tagcctaaaa cagggaggaa aaacttgctc ttgctcttgt gggctagaga aaagggggcc
173221 tgagttacat actggcagct caattacact gtcacttgta gcaatgtgga agatggtaca
173281 tgtgttcatt aactggctaa ggacattttc atgcagagtg ctgaaaatgc caagtggctt
173341 gtaatatgtg ataattgtaca gaaagagata aactaaagag ggaaatgttc acctttcaag
173401 caaatttttag aagaatatag agggcccaag actgtctgag tcagttagca gctgtttcta
173461 aaatcaaaat aaaacttgga ggcaagaac aaatctaaga tgcgttaacc gcccacgaa
173521 ttttccttgc ccactgcta ggcagactca atttaagaca ggggaattac aataaagagt
173581 ttaatccaca cacagtcac tgtacgggag actggagttg tattattacg caaatcagtc
173641 tccctaaaga cttgggatgg ggtttttaag gataatttgg tgggcagggg gtcagaaagt
173701 ggggactact gattggttag gtcagagatg aaatcacagg gagtgaagc tgcctctgg
173761 tgctgagtca gttcctgggt gggggccaca agaccagatg aaccaattta tcaatctggt
173821 tagggacagc tgatccatcg agtgagggt ctccaaaata cctgttatct ggaggagcaa
173881 tttggagggg tttagaatct tgccacctcc agctgcatga ctctaaacc acaatttcta
173941 atcttgtagc taatttggtta gtctgcaa ggcagtttat agttcccagg ctaaaaggg
174001 gtttgttcag ggaagggt ggtaccatct ttgtttcaaa gttaaactat aggcggggcg
174061 tgggtggctca cacctgtaat ccagcacgt tgggaaggccg aggcaggcag atcatttgag
174121 atcaggaggt cgagaccagc ctggccaaca tggtgaaacc ctgtctctac taaaaataca
174181 aaaattagtc tggcgtgggt gctgacact gtagtccag ctactcagga ggetgacga
174241 ggagaatcgt ttgaaccag gaggtggaga ttgcagttag ccaagatggg gccactgcac
174301 tccagcctgg gtgatagagt gagactctgt ctcaaaacaa aacaaaacaa aataaacac
174361 aacaacaaaa aacaaagtta aactgtaagt taagttcctt ccaaaattag ttcagcctac
174421 acccaggaat gaacaaggac agcttgagg ttaggaacaa atcagtaagt taggtcacat
174481 ctctttcatt gtcataatcc tctcagttat aatttatgca aaggtgggtt cgatgccaca
174541 agtaaaacgt ggcctctggt caacatgagg ccctttgtta aaatcccaga aagatgtaag
174601 gaattgcttc tcaaaccctc atggttaggt agacaaacag gcttctgaaa gaacaagtgt
174661 gttctcacac agcacccctga catgcacccc agagagggag cgtatcttaa aaagattggt
174721 ggagatgggt tttatctaac acagtgaatc ccagtaaaat ccacagaaaa ctcaaatgt
174781 ttttaagaga actgaactaa cacaagcacc actagcttgg actaaaatgg acaaagactg
174841 ttcaaaacaa agccactggg ctccctaacca tttactggca ggaaataggc tgaggaaact

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FIGURE 3 (continued)

174901 atttggtgc aaatcagggt tttgttggt gagatagggt ctctccggt gcccaggctg
174961 gagcacaatg gcacaatcac aactcactat aacctctgcc tcctggagt agctaggact
175021 ataggcacat gccaccaagc ccgcctaatt tttgtatatt ttgtagagac ggggtttcac
175081 catattgccc aggctggtct tgaactccca gcctcaagt atcctccgc gtcagcctcc
175141 caaaatggtg ggattacagg catgagccac cacgccaggc ccaatcacgc tttttcaaat
175201 agtaaaggaa ggccgaccca gaaggaggag ttaggaagta aatcagggtc agctgtgtgt
175261 ggataaggct ccacagggat ggctctgtgg gtgcaggac ccaagaacta aaaagacaag
175321 ttatctgctt cccacattcc ttgtacaatg tgaggaggaa aaagataact acaatagaga
175381 atccctttca aaaagtaagg atgagtgtat gaaatctgaa taaggtttgc agtgcagttt
175441 aaacagttca tagtgtccag tgcttctgat aggtcaagta aagtaaggac gatggacgtg
175501 gcaacatgga agtcacccat gacttcgaaa agcagttttc aatttaagt tgtgaaagct
175561 t

174901 atttggtgc aaatcagggt tttgttggt gagatagggt ctctccggt gcccaggctg

FIGURE 4

1 mlaprgaavl llhlvlqrwl aagaqatpqv fdllpsssqv lnpallpvl tdpalndlyv
61 istfklqtks satifglyss tdnskyfeft vmgrlskail rylkndgkvh lvvfnnlqla
121 dgrrhrillr lsnlqrgags lelyldciqv dsvhnlpraf agpsqkpeti elrtfqrkpg
181 dfleelklvv rgsllfqvasl qdcflqqsep laatgtgdfn rqflgqmtql nqllegevkd
241 lrqqvketsf lrtiaecqa cgplkfqspt pstvvpapp apptrpprrc dsnpctfrgv
301 ctddrdgfgc gpcpegytgn gitcidvdec kyhpcypgvh cinlspgfrc dacpvgtgtp
361 mvqvggisfa ksnkqvctdi decrngacvp nsicvntlgs yrcgpcckpgy tgdqirgckv
421 erncrnpeln pcvnaqcie erqgdvtcvc gvgwagdyi cgkdvdidsy pdeelpcsar
481 nckkdnckyv pnsqgedadr dgigdacded adgdgilneq dncvlihnvd qrnscdkdifg
541 dacdnclsvl nndqkdtgdg grgdacdddm dgdgiknild ncpkfpnrdq rdkdgdgvgd
601 acdscpdvsn pnqsdvdndl vgdscdtnqd sdgdghqdst dncptvinsa qltdtdkdig
661 decdddddnd gipdlvppgp dncrlvpnpa qedsnsdgvv dicesdfdqd qvidridvcp
721 enaevtltdf rayqtvglp egdaqidpnw vvlnggmeiv qtmnsdppla vgytafngvd
781 fegtfhvntq tdddyagfif gyqdsstfyv vmwkqteqy wqatpfrava epgiqlkavk
841 sktgpgelhr nslwhtgds dqvrlwkds rnvgwkdks yrwlqhrpq vgyirvrfye
901 gselvadsgv tidttmrggr lgvfcsqen iiwsnlkyrc ndtipedfge fqtqnfdfrd
961 n

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100